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The Instructional Program Grade Charts outline the subject matter of each grade (kindergarten through grade 6) for convenient reference by the teacher. The Grade Charts are not designed as substitutes for the more complete courses of study. However the statements of underlying philosophy for each subject (social studies, mathematics, science, reading, oral English, written English, spelling, handwriting, Spanish, music, art, practical arts, health, physical education, and safety) and the overview of the content for each grade level help to provide a broad outline of the instructional program in the Los Angeles city elementary schools.

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INSTRUCTIONAL PROGRAM GRADE CHARTS

TO ACCOMPANY

COURSE OF STUDY FOR ELEMENTARY SCHOOLS

PUBLICATION No. 375 • 1964 REVISION

LOS ANGELES CITY SCHOOLS • DIVISION OF INSTRUCTIONAL SERVICES
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INSTRUCTIONAL PROGRAM
GRADE CHARTS

To Accompany

COURSE OF STUDY FOR ELEMENTARY SCHOOLS—1964 Revision
LOS ANGELES CITY SCHOOLS—PUBLICATION No. 375

The Grade Charts present the basic subject matter requirements for Kindergarten and Grades One through Six.

Educational Materials Laboratory
Office of Education
MAY 1965
DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE

This publication has been developed
in accordance with the *Comprehensive Curriculum Policy*
adopted by the Los Angeles City Board of Education.

APPROVED:

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INTRODUCTION

The Instructional Program Grade Charts summarize the contents of the *Course of Study for Elementary Schools, 1964 Revision.* Their purpose is to outline the subject matter of each grade and broad themes of instruction for convenient reference by the teacher. The Grade Charts are not designed as substitutes for the Course of Study, which is available in each elementary school.

However, the statements of underlying philosophy for each subject in the following paragraphs, together with the overviews of the content for each grade level, help to provide a broad outline of the instructional program in the Los Angeles City elementary schools.

SOCIAL STUDIES

The term "social studies" refers to the generalizations, concepts, and understandings of the social sciences: geography, history, political science, economics, anthropology, psychology, sociology, and philosophy. These generalizations, concepts, and understandings of the social sciences are developed in each grade through the study of geography, history, and civics.

> **Geography** is the study of the physical, cultural, and economic interrelationships which influence man and his activities on earth. Physical geography includes the study of the earth's surface features, climate, natural regions, and resources; cultural geography includes the study of man's activities and how he utilizes and adapts to his physical environment; economics includes the study of how man in society makes choices as he utilizes available resources to satisfy his wants.
>
> **History** is the record of man's experience. It is the study of people, events, and movements within a chronological framework. The study of local, national, and international history can help pupils prepare for intelligent action as citizens now and in the future.
>
> **Civics** is the study of government and of man's attempts to organize and administer the external controls and services necessary to live and work within his society. Civics also includes the development of intellectual capacities and qualities which will enable an individual to make the most of himself and to make his best contribution to society.

It is important that the geographical, historical, and civic relationships of a particular area are studied simultaneously and in relation to their significance to each other.

MATHEMATICS

Mathematics is a system for working with and communicating quantitative relationships. The elementary school mathematics program prepares pupils to work with and communicate quantitative relationships by helping them to develop an understanding of the meaning of number and number systems and to attain skill in the use of numbers as they apply mathematics to the solution of problems. The program stresses the dynamic character of good mathematics instruction which promotes pupil discovery and provides opportunities for each pupil to work at his own ability level. A teaching sequence is recommended which begins with concrete experiences (manipulation), moves to a visualization stage (pictures), and progresses to an abstract stage (number symbols) of representing mathematical ideas.

SCIENCE

The very nature of science, as a search for knowledge and understanding, requires that a science curriculum provide a wide variety of experiences for children at all stages of their development. The pupil is an explorer and a problem solver; the science program described in these grade charts provides opportunities for him to explore and to solve problems. The pupil seeks to know himself and his world. There are opportunities for the child to make rational decisions about his world based upon his experience and to investigate and to achieve at his own level of maturity and development.

READING

Reading is a thought process involving a simultaneous interpretation of written or printed symbols and of the experiences, the ideas, and the concepts which these symbols represent. Reading provides society with the clearest and best means of transmitting records of human experience and attainment and of man's deepest thoughts and highest aspirations.

The instructional program described in these grade charts is designed to meet the needs of each child and to help teachers facilitate individual progress. The program emphasizes the interrelationships between listening, speaking, reading, and writing and is based upon the sequential development of the many skills which comprise the act of reading.

ORAL ENGLISH

Oral English is a form of communication through which ideas are transmitted and received. The oral English program encompasses observation, thinking, listening, and speaking.

Observation is an activity through which knowledge is gained. Thinking is a process through which the symbols which represent language and the knowledge gained through observation are combined to form mental images. Speaking involves verbal communication with others and serves as a vehicle for conveying thoughts. Ability to talk easily and clearly while expressing ideas to others indicates success in oral communication.

The development of competency in the use of the oral English skills with all children is the purpose of this carefully planned program. This program is continuous in development and is basic to the entire curriculum of the elementary school.

WRITTEN ENGLISH

Written English is a form of communication that serves as a way of recording factual information as well as a means of creative self-expression. Written English experiences include personal and practical and creative writing. Personal and practical writing involve the functional use of the mechanics of writing. Creative writing provides opportunities for creative self-expression.

Written English is dependent upon many firsthand experiences as well as facility in oral language. Progress in the development and use of skills appropriate to written expression is also dependent upon increased facility in oral language. Correct usage carries over from oral to written language. Thus, if correct usage and writing are expected, opportunities for systematic practice on correct speaking and writing must be provided.

SPELLING

Spelling is the grouping of letters according to socially accepted customs to produce words for the purpose of written communication.

Spelling is one of the essential tools of written language. Command of this tool facilitates the task of putting ideas in writing and permits a person to concentrate on the thoughts he wishes to communicate rather than to be concerned with the mechanics of getting the ideas down.

Spelling is one facet of the total program in written communication. Success in written expression is based upon the ability to integrate the techniques of spelling with those of handwriting, the ability to punctuate correctly, and the use of appropriate diction and grammar.

HANDWRITING

Handwriting is a communication tool through which thought is translated into written form. The accuracy and fluency with which one is able to use the mechanics of good handwriting determine the degree of success obtainable in conveying ideas and recording information. Development of fluency in the use of handwriting skills is achieved through a planned use of handwriting in all phases of the curriculum. Basic to all skills of handwriting is legibility. The use of handwriting will not be effective unless some degree of uniformity of letter formation is maintained. Legibility is obtained through continuous and systematic use of handwriting and practice in letter formation.

Since handwriting is a basic tool in written communication, it is essential that a desirable attitude toward, and an interest in, the need for handwriting be developed and maintained.

SPANISH

Spanish instruction has been provided in Los Angeles city elementary schools since 1943. At present, the program is being revised. The guidelines which appear in the 1964 Revision of the *Course of Study for Elementary Schools* are provided for teachers who are competent in the Spanish language. Teachers who lack this facility are not expected to teach the language in their classes.

Beginning in 1965, there will be greater emphasis on the Spanish program in Grade Six in order to meet state requirements.

MUSIC

Music is an art of communication. It is a significant part of the total cultural heritage which education must pass on to each succeeding generation. It is also a tonal language through which children can express themselves creatively. The Los Angeles city school system bases its program of music education on the belief that, by nature, all children are responsive to music. This responsiveness differs in degree, in kind, and also in the type of musical experience which may evoke it. Music education in the elementary schools must therefore include a variety of interrelated musical activities: listening, singing, rhythmic and creative activities, music reading, and the use of rhythm and tonal instruments. These activities are not ends in themselves. Rather, they are means by which children study music in such a way that they grow in their understanding of it and in the breadth and depth of their responsiveness to it.

ART

Art in American life is the architecture of our homes and buildings, the design of our cities, the visual communication in our advertising, and the look of the multitude of American products, as well as a new and vigorous involvement in the fine arts of painting and sculpture. It is evidenced by the enormously growing interest in museums and exhibitions, by the increasing enthusiasm for art as a leisure activity, and by the significantly better financial recognition afforded the artist of ability.

An understanding of the place of art as communication and creative expression is becoming increasingly essential to intelligent citizenship. The art program in today's schools must help children to develop deeper insights and understandings of the world in which they live and to know that art has been an important part of all great civilizations.

Art is vital to education because children need a variety of ways of expressing their ideas and feelings. It should be a part of the entire curriculum. In the elementary school program, no subject is experienced in isolation. Art is more than picture-making; it is involved in every visual experience.

Art not only contributes to the child as an individual, but it also provides him with additional tools for accomplishment in other fields.

PRACTICAL ARTS

Practical arts, on the elementary school level, is concerned with educating boys and girls to live in a world which is both technological and agricultural. Children today live in a civilization that has surrounded itself on the one hand with mechanical devices which must be understood and used, and on the other hand, has increased the development and use of plants and animals. As children engage in studies that help them to understand the world in which they live, they learn the social functions or human activities men carry on to meet their basic needs. The practical arts place emphasis on resources in man's environment and the ways man has cultivated and changed resources to increase their value to him. The elementary practical arts program includes educational experiences in gardening (or natural science) and industrial arts.

HEALTH

Health includes the physical, emotional, and social aspects of living. "Health is a state of complete physical, mental, and social well-being, and not merely the absence of disease."—World Health Organization.

PHYSICAL EDUCATION

In the philosophy of learning, the pupil is educated, not in mind alone, not in body alone, but as a whole personality. Physical education presents activities and situations consistent with this principle.

SAFETY

Safety, in its broadest sense, is wholeness of life. In the narrow sense, it is wholeness of the individual's physical life. Safety involves the quality of freedom from injury or danger. Accidents do not just happen; they are caused. Safety, then, in effect, is a way of life and can be accomplished only through a definite understanding and practice of accident prevention.

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KINDERGARTEN

SOCIAL STUDIES

THEME: THE IMMEDIATE ENVIRONMENT: RELATIONSHIP OF THE NEIGHBORHOOD TO HOME AND SCHOOL

KINDERGARTEN

THE HOME AND FAMILY: THEIR RELATIONSHIP TO NEIGHBORHOOD ACTIVITIES

- Relationship of home and family activities to home and neighborhood activities
- Roles, responsibilities, privileges, and contributions of family members
- Similarities and differences between individuals in a family
- Similarities and differences between families in the community

SCHOOL LIFE AND THE SCHOOL PLANT

- Relationships of the home to the school
- Duties and responsibilities to self, peers, and the school
- Areas of specific activities within the school plant
- Respect for authority

THE NEIGHBORHOOD: RELATIONSHIP OF THE NEIGHBORHOOD TO HOME AND SCHOOL

- Awareness of the neighborhood environment and changes occurring in the neighborhood
  - Construction of new homes
  - Freeway developments
  - Neighborhood businesses
- People in the neighborhood, such as
  - Grocer
  - Fireman
  - Policeman
  - Milkman
  - Postman
  - Baker
  - Service station attendant
  - Delivery man
  - Repairman
- Various means of transportation in the neighborhood
- Importance of communication and communication services
  - Newspaper
  - Radio
  - Postal services
  - Television
  - Telephone
- Awareness of current happenings in the neighborhood, the state, the nation, and the world

THEME: THE IMMEDIATE ENVIRONMENT: RELATIONSHIP OF THE NEIGHBORHOOD TO HOME AND SCHOOL

COMBINATION GRADE: KINDERGARTEN-B1

RELATIONSHIP OF THE HOME AND FAMILY TO NEIGHBORHOOD ACTIVITIES

- Roles, responsibilities, privileges, and contributions of family members
- Interdependence of family members
- Ways in which families provide for needs
- Ways in which families use neighborhood facilities and resources
- Friends and relatives living in other parts of the community, of the state, of the nation, or of the world

SCHOOL LIFE AND THE SCHOOL PLANT

- Relationship of the home to the school
- Duties and responsibilities to self, peers, and the school
- School services
- Community workers who provide goods and services to the school

NEEDED SERVICES IN THE NEIGHBORHOOD COMMUNITY

- People and places in the neighborhood community
  Providing food services
  Providing protection
  Providing personal services
  Providing home services
  Providing repair services
- Transportation and transportation systems in the neighborhood community
- Communication services and workers in the neighborhood community.
- Concern for current happenings in the community, the state, the nation, and the world

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Begins to understand that a globe is round because the earth is nearly round
- Begins to orient self as to location in relation to environment
- Begins to make simple maps of the immediate school community
- Begins to describe relative locations (near, far, up, down, right, and left)
- Begins to express distance and size in relative terms
- Begins to identify color symbols
- Reads simple picture maps

ECONOMIC GEOGRAPHY

- Understands that members of the family divide work for speed and efficiency
- Begins to learn about many things made through hand labor and through the use of tools and machines
- Becomes aware that the amount of money people have to spend depends upon their earnings or other income
- Becomes aware that different people work at different jobs in performing community services
- Understands that people obey rules to work effectively for the benefit of all

PHYSICAL GEOGRAPHY

- Learns the way from home to school
- Learns the way from school to home
- Learns to cross the street at intersections
- Learns locations within the school
  - The principal's office
  - The nurse's room
  - The library
  - The auditorium
- Hears and uses terms related to weather, such as
  - Rain
  - Sunshine
  - Clouds
  - Fog
- Observes changes in weather

CULTURAL GEOGRAPHY

- Develops an interest in the immediate neighborhood
  - Homes and other buildings
  - Construction activities
  - Workers
  - Travel
- Uses such terms as
  - Neighborhood
  - Streets
  - Roads
  - Freeways
- Observes changes in the topography of the neighborhood, such as terracing or grading operations and road building

SOCIAL STUDIES

HISTORY

DEVELOPING A SENSE OF TIME

- Begins to develop a sense of time and chronology in relation to regular activities in his schedule
    - Time to come to school
    - Time to work
    - Time to play
    - Time to rest
- Hears and uses time words, both definite and indefinite
    - Early
    - Late
    - Morning
    - Afternoon

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Listens to stories about days of historical significance
    - Thanksgiving Day
    - Christmas Day
    - Abraham Lincoln's Birthday
    - George Washington's Birthday
- Begins to understand the meaning of
    - Thanksgiving Day
    - Christmas Day

CURRENT AFFAIRS

- Begins to relate current happenings in other parts of the state, nation, or world to their effect on the neighborhood

CIVICS

RESPECT FOR AMERICAN IDEALS

- Participates with groups of older pupils in the Pledge to the Flag
- Participates with groups of older pupils in singing "America" and the "Star-Spangled Banner"

GOVERNMENT

- Develops an understanding of himself in relation to a group other than his intimate family circle
- Recognizes and appreciates the people who are responsible for and concerned with his safety and well-being
    - The policeman
    - The crossing guard
    - The principal
    - The school nurse
    - The school doctor
    - Teachers
    - Parents
- Understands and observes traffic signals
- Knows the name of the present President of the United States

RESPONSIBILITIES OF CITIZENS

- Learns to work cooperatively
- Shares materials and work space
- Assumes responsibility for cleaning up after work
- Responds to direction

ENGLISH

ORAL ENGLISH

The foundations of the oral and written English programs are listening and speaking. The degree of success a child attains in reading and written communication is based on his ability to express his ideas clearly and to understand and react to what is said. Social acceptance is also influenced by the child's fluency in listening and speaking. The basic purpose of the Kindergarten program is to help children develop skills in listening, speaking, observing, and thinking.

ORAL ENGLISH EXPERIENCES

Listening

- Listens to gain information, to follow directions, to plan activities
- Listens to music, stories, rhymes, poetry

Conversing, Discussing

- Converses during informal activities
- Converses to establish social relationships
- Plans ways of working and playing
- Discusses new experiences

Creative Activities

- Interprets ideas through dramatic activities
- Retells familiar stories

Social Courtesies

- Greets friends and teacher

Messages, Announcements, Directions, Explanations

- Begins to understand the need for messages and announcements and begins to deliver them
- Begins to give directions and make explanations

ORAL ENGLISH SKILLS

Listening

- Listens for information, directions, enjoyment

Speaking

- Enunciates clearly, pronounces correctly
- Learns to look at group and speak loudly and clearly

Language Usage

- Develops sentence sense
- Interprets events, stories, pictures
- Notes details and relationships
- Understands and uses descriptive language

WRITTEN ENGLISH

In the Kindergarten, the teacher plans many experiences which provide opportunities for children to gain new ideas and new vocabulary. Opportunities are also provided for children to express their ideas and use the new vocabulary in many different situations. Later on, as children become more skilled in the use of oral English, they will become interested in acquiring the skills necessary to written expression. A successful program in written English is based upon a rich program in oral English.

WRITTEN ENGLISH EXPERIENCES

Informational Writing

- Begins to write name as needed
- Dictates information

Letter Writing

- Begins to dictate notes and invitations

Creative Writing

- Begins to dictate stories and rhymes

Recording

- Begins to dictate information needed

Reference Activities

- Begins to use books
- Begins to use picture and painting files

WRITTEN ENGLISH SKILLS

Names, Signs, Captions

- Begins to write name as needed
- Begins to dictate signs and captions

Sentences

- Begins to observe as teacher writes

Capital and Small Letters, Punctuation

- Becomes aware of capital and small letters
- Begins to use a capital letter as first letter in own name
- Observes teacher use period, question mark, and exclamation point in writing

Alphabetizing

- Begins to use picture and painting files
- Begins to use alphabetized name box

Organizing

- Begins to dictate account of experiences

SPELLING

In the Kindergarten, children begin to build a foundation for spelling by expressing themselves orally. Such activities as making plans, discussing ideas, and telling stories help children acquire new vocabulary. As children learn to use new words, they also learn to pronounce words correctly and to enunciate them clearly. Since children tend to write and spell the words which they use, it is essential that the opportunities for oral expression be many and varied. Although the spelling program is established in the Kindergarten through use of oral expression, there is no formal teaching of spelling at this level.

ORAL ENGLISH EXPERIENCES

Listening

- Gains information and ideas
- Identifies sounds
- Evaluates activities
- Follows directions
- Participates in planning activities
- Appreciates poems, rhymes, stories

Speaking

- Tells stories
- Provides directions
- Relates ideas and experiences
- Uses social courtesies
- Participates in planning
- Converses with others
- Discusses ideas
- Relates messages
- Dictates stories, invitations, letters

WRITTEN ENGLISH EXPERIENCES

Dictating

- Observes the teacher writing
- Learns that chart content is "talk written down"

Writing

- Begins to spell and write own name

HANDWRITING

In the Kindergarten, children participate in many experiences which help them develop the muscular coordination necessary to begin handwriting. Experiences with floor blocks and hollow blocks, rhythms, and playground equipment contribute to children's growth in the control and use of large muscles.

Activities which involve manipulating materials, such as clay, tempera paint, finger paint, and colored chalk, foster the use of the hand muscles and thereby contribute to the foundation for later experiences in handwriting.

Children in the Kindergarten should participate in beginning handwriting experiences. These include observing the teacher writing their names, recording their ideas, and preparing signs, labels, and captions, using the manuscript letter forms.

BEGINNING HANDWRITING ABILITIES

- Develops arm and hand muscular coordination
- Develops eye-hand coordination
- Observes teacher using manuscript form
- Becomes aware of left-to-right progression

BEGINNING HANDWRITING SKILLS

- Develops some awareness of size and spatial relationships between forms, letters, and words
- Learns to hold chalk, crayon, and pencil with care
- Begins to write name, using capital and small letters

HANDWRITING MATERIALS

- Uses handwriting materials appropriate for maturity level
- Uses handwriting materials appropriate for specific purposes

ATTITUDES AND POSTURE

- Shows interest in learning to write
- Uses left-to-right progression
- Takes pride in work
- Assumes correct posture for writing at board or at table

HANDWRITING EXPERIENCES

- Uses teacher-prepared name tags, signs, and captions
- Writes as needed, when interest and maturity are evidenced

MENTAL, SOCIAL, EMOTIONAL, AND PHYSICAL DEVELOPMENT

- Learns to express ideas orally
- Learns to follow simple directions
- Listens to and enjoys many stories
- Develops muscular coordination
- Gains information from picture books and files

LISTENING ACTIVITIES

- Listens for directions
- Listens to learn new songs
- Learns to recognize initial consonant sounds
- Identifies words that rhyme and that end alike
- Learns meanings of such affixes as *s*, *ed*, and *ing*

ORAL ENGLISH ACTIVITIES

- Learns to express ideas in complete sentences
- Identifies, describes, compares, classifies, and interprets pictures and picture stories
- Develops interpretations of such abstractions as above-below, cool-warm, and far-near
- Develops ability to describe objects, persons, and things in specific and precise language

DEVELOPING VISUAL DISCRIMINATION SKILLS

- Recognizes and discusses likenesses and differences between articles in the classroom environment
- Differentiates between place, position, and space relationships
- Determines similarities, position, and order in pictures
- Compares name cards
- Uses number concepts

DEVELOPING LISTENING AND SPEAKING VOCABULARIES

- Participates in activities which stimulate
    - Clear and distinct pronunciation
    - Clear enunciation
    - Use of accurate vocabulary

DEVELOPING DESIRE TO READ

- Listens to stories and poetry
- Listens to information read by teacher
- Uses information to solve problems
- Explores environment made stimulating with books
- Uses books to solve problems

SCIENCE

LIVING THINGS

Relationship Among Living Things

- Understands that there are living and non-living things
- Learns that most living things are either plants or animals
- Observes a variety of plant and animal life; compares their similarities and differences
- Recognizes the needs of living things
- Observes how living things change as they grow

Plant Life

- Recognizes different parts of plants
- Understands man's use of plants
- Becomes aware of plant growth from seeds
- Investigates how plants grow in different places

Animal Life

- Observes the varied ways in which animals move
- Observes how some animals take care of themselves while others require care

MATTER AND ENERGY

Nature of Matter and Energy

- Observes how matter exists in different forms
- Understands how matter can change from one form to another

Mechanical Energy

- Performs experiments involving wheels, inclined planes, and simple machines; understands their uses
- Performs experiments to learn about different surfaces and their relationship to friction

Magnetic Energy

- Experiments with magnets
- Discovers how magnets may be used

Sound Energy

- Recognizes that there are different things that make different sounds
- Recognizes that there are different kinds of sounds

EARTH

Structure and Changes

- Understands that the earth is very large as compared with objects nearby
- Learns that the earth is almost round
- Recognizes land, water, and air (atmosphere) as parts of the earth
- Performs experiments involving use of rocks and soil to identify their color, shape, weight, and texture
- Understands that rocks and soil are parts of the earth

Atmosphere and Weather

- Understands that air (atmosphere) surrounds the earth and can move
- Observes changes in temperature
- Recognizes that there are different kinds of weather and weather changes

THE UNIVERSE

Earth-Moon-Sun Relationships

- Understands that the sun is a source of heat and light and appears to rise and set
- Observes how shadows are made by obstructing light

KINDERGARTEN

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts by rote to ten and beyond
- Begins to use whole numbers in serial order
  Uses a number line
- Uses cardinal numbers
- Uses ordinal numbers
- Begins to understand the meaning of whole numbers through nine
- Begins to learn the symbols which represent number ideas
- Begins to read numerals
- Begins to recognize sets of objects
- Begins to understand and use one-to-one matching with sets of objects
- Develops use of some vocabulary related to sets, such as empty set and subset

FUNDAMENTAL OPERATIONS

Addition

- Begins to develop the concept of addition through working with sets of concrete and manipulative materials in meaningful situations
  Begins to understand addition as the joining of sets of objects
  Begins to see the property of commutativity in working with sets
- Begins to develop and understand the concept of addition as related to basic number combinations
- Begins to develop a vocabulary in relationship to addition, such as put together, combine, join, how many

Subtraction

- Begins informally to develop the meaning of subtraction through manipulation and visualization of sets of objects into subsets
- Begins to develop a vocabulary in relation to subtraction, such as take away, remove, separate

MEASUREMENT

- Begins to develop, through classroom experiences, understandings of some standard and non-standard units of measure related to

  Calendar: Begins to be aware of the names of the months, days of the week, special holidays, school days, weekends

  Time: Begins to understand clean-up time, time to go to school, time to go home, morning, noon, night, early, late

  Temperature: Begins to understand that a thermometer measures temperature that can be described as hot, cold, warm, and cool

  Linear measure: Begins to understand linear measurement as a measure of distance or height; develops vocabulary, such as short, shorter, long, longer, longest, tall, taller, tallest, small, smaller, smallest, big, little

  Area: Begins to understand the word "area" in reference to an area in which to work or play

  Weight: Begins to use vocabulary, such as more, less, heavy, light

  Liquid measure: Begins to understand that quart, pint, and cup are measures of liquid

  Money: Begins to recognize pennies, nickels, dimes, and quarters; begins to see relationship values between coins; uses vocabulary related to money, such as buy, spend, pay, how much

  Quantity: Uses vocabulary related to quantity, such as dozen, pair

GEOMETRY

- Develops ability to recognize and name four basic geometric shapes: the circle, the square, the rectangle, and the triangle
- Develops understanding of size of similar figures (larger, largest, smaller, smallest)
- Begins informally to see visual patterns of similar figures

APPLICATION OF MATHEMATICAL CONCEPTS

- Becomes aware of a problem situation and begins to identify the problem
- Begins to discuss solutions for mathematical problems experienced in daily activities
- Begins to understand picture-story problems
- Begins to create story problems and use manipulative materials to solve them
- Begins to understand the use of numerals, house numbers, and telephone numbers

MUSIC

PRESCHOOL EXPERIENCES

When children enter Kindergarten, they bring with them a variety of musical interests. Some of these are natural; others are based upon their preschool experiences with music. The Kindergarten teacher is sensitive to the musical tendencies of children and uses their spontaneous tonal and rhythmic expression as the basis for learning experiences.

LISTENING ACTIVITIES

- Becomes increasingly aware of the musical quality of sounds which he hears
- Develops increasing attentiveness to music
- Begins to develop sensitivity to mood and descriptive qualities in music
- Becomes aware that some musical sounds are more beautiful than others
- Becomes gradually aware that pitches may be higher or lower; tempos may be slower or faster; volume may be louder or softer

SINGING AND RHYTHMIC ACTIVITIES

- Grows in his enjoyment of music as a natural means of expressing himself in a variety of situations throughout the school day
- Enjoys spontaneous, informal singing and rhythmic activities
- Learns a variety of songs appropriate to his interests
- Becomes more sensitive to beauty of tone and grows in the ability to make his own singing more beautiful
- Learns how to use his voice with increasing sensitivity to pitch and grows in the ability to reproduce it
- Grows in the ability to express himself through bodily movement with increasing awareness of its appropriateness to music

INSTRUMENTAL ACTIVITIES

- Begins to experiment with tonal and rhythm instruments

CREATIVE ACTIVITIES

- Enjoys a feeling of discovery and creative expression in all musical activities

ART

OVERVIEW

- Art education begins when children first explore their visual and tactile world. The foundation is laid in the home and extended in the Kindergarten. Growth is based on experiences that are sensory, explorative, and manipulative. Each child is capable of continuous growth and matures in his own way and at his own rate of speed

MATERIALS

- Uses a variety of materials
  - Tempera paint
  - Colored chalk
  - Paper
  - Nature materials
  - Clay
  - Crayons
  - Starch
  - Sand
  - Miscellaneous materials, such as beads, buttons, string, yarn, wood, pieces of cloth, ribbon

EXPERIENCES

- Manipulates to discover the nature of materials
- Expresses ideas based on personal experience
- Discovers line, form, color, texture, and value in nature and man-made objects
- Develops coordination in the use of art tools and materials
- Creates in two and three dimensions
- Develops desirable work habits in using art materials
- Looks at pictures and other forms of art

APPRECIATIONS

- Enjoys beauty in the environment
- Develops appreciation of the art expressions of other pupils, as well as of adult artists

PRACTICAL ARTS

TOOLS AND MATERIALS
- Manipulates basic tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK
- Develops standards of
  - Working
  - Sharing tools and materials
  - Discussing
  - Cleaning up
  - Storing tools and materials

EXPERIENCES
- Develops an interest in construction activities
- Constructs objects to satisfy individual needs

UNDERSTANDINGS
- Develops better understandings of the world in which he lives

SPANISH

LEARNING ACTIVITIES
- Learns Spanish phrases pertaining to
  - Greetings
  - Giving child's name
  - Pets
  - Toys
  - Polite expressions
    - Thank you
    - You're welcome
- Exchanges greetings
- Uses pictures and objects to convey and reinforce meanings
- Uses polite expressions
- Responds to directions
- Learns simple Spanish songs

HEALTH

CLEANLINESS AND GROOMING
- Cares for hands: washing and drying
- Is responsible for own clothing
- Uses handkerchief or tissue

POSTURE
- Sits "tall" on rugs and chairs

DENTAL HEALTH
- Brushes teeth with own toothbrush
- Shows friendliness toward dentist

CARE OF EYES, EARS, AND NOSE
- Protects eyes, ears, nose from foreign objects
- Prepares for vision screening
- Listens attentively

REST AND SLEEP
- Rests at school; changes activities
- Has regular bedtime, 12 hours of sleep

FOODS AND NUTRITION
- Learns importance of milk and fruit
- Develops taste for variety of foods
- Eats in a relaxed atmosphere

PREVENTION AND CONTROL OF DISEASE
- Keeps hands and objects out of mouth
- Prepares for visits of physician, dentist, and nurse
- Prepares for health examinations
- Learns about immunization program

EMOTIONAL AND SOCIAL HEALTH
- Contributes to family teamwork
- Makes friends; is kind to others
- Finds pleasure in sharing experiences and materials
- Develops satisfying, acceptable work habits and creative experiences
- Feels satisfaction from group planning
- Learns to control hands and feet
- Learns to adjust to disappointments
- Uses "please" and "thank you"
- Accepts "no," "yes," "Let's do this"

GROWTH AND DEVELOPMENT
- Participates in outdoor activities followed by rest or a quiet period

COMMUNITY HEALTH
- Uses drinking fountains correctly
- Uses rest rooms acceptably

PHYSICAL EDUCATION

PHYSICAL SKILLS
- Engages in individual and dual activities
- Learns to use large balls and beanbags
- Engages in simple singing games and rhythmic activities
- Reacts with body movements to music, rhythmic sounds, and stories and created ideas
- Bounces and catches a ball
- Rolls and stops a ball
- Tosses and catches a beanbag
- Tosses a ball with underhand toss
- Develops a basic knowledge of safe uses of Kindergarten apparatus
- Develops further skills as ability warrants
- Develops control of the body
- Participates in fitness activities planned for this age group

ATTITUDES
- Develops a willingness to share equipment and supplies
- Learns respect for the rights of others
- Develops a sense of fair play
- Learns cooperation
- Develops an appreciation of rhythmic activities
- Develops a desire to participate
- Becomes aware of responsibility to a group
- Enjoys the exhilaration of vigorous activity
- Learns the desirability of being creative
- Develops self-confidence and poise

UNDERSTANDINGS
- Understands reasons for correct use of apparatus
- Understands value of good working procedures
- Can tell the difference between passive and active play
- Understands need for both exercise and rest

SAFETY

AS A PEDESTRIAN
- Learns and obeys all traffic safety rules
- Follows safest route to school

TO AND FROM SCHOOL
- Refrains from climbing, throwing, chasing, and scuffling
- Displays caution concerning sharp objects, discarded objects, and animals

ON THE PLAYGROUND
- Plays only in designated areas and on approved apparatus
- Refrains from climbing, scuffling, and unsupervised running
- Learns and practices correct use of drinking fountains, lavatories, and benches

IN BUILDINGS AND CLASSROOMS
- Learns proper conduct in classrooms, halls, and auditoriums
- Learns to handle equipment and supplies safely
- Learns approved procedures during emergency drills
- Learns appropriate fire prevention practices regarding matches, electrical cords, appliances, and open fires

DURING EMERGENCY DRILLS
- Learns emergency drills
- Practices drills

IN FIRE PREVENTION
- Learns how to handle matches
- Discusses hazards of electrical cords and appliances
- Learns how to prevent fires

AT HOME
- Plays safely with toys
- Refrains from lifting and carrying other pupils
- Avoids hot objects
- Recognizes safe play areas
- Refrains from playing in iceboxes, refrigerators, and freezers
- Uses only flameproof decorations and costumes
- Discusses hazards of guns

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT
- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS
- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with others
- Listens and responds promptly and willingly

CITIZENSHIP
- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE ONE

SOCIAL STUDIES

THEME: THE HOME, SCHOOL, AND COMMUNITY: RESPONSIBILITIES AND SERVICES

GRADE B1

RELATIONSHIP OF THE HOME TO THE NEIGHBORHOOD COMMUNITY

- Families and family life
  - Differences in family life
  - Importance of cooperation
  - Awareness of interdependence
  - Importance of friends
- Differences in homes in the community
- Occupations of family members

SCHOOL ACTIVITIES AND PUPIL RESPONSIBILITIES

- School services
- Individual and group responsibilities

NEEDED SERVICES IN THE NEIGHBORHOOD COMMUNITY

- Effect of environment on ways of living
- Neighborhood facilities and agencies
- Transportation and communication within the neighborhood community
- Interrelationships of the airport and harbor to the community, with an emphasis on the **airport**
  - Total community
  - Airport facilities
  - Aircraft and their operation
  - Air service in world trade

COMBINATION GRADE B1–A1

SCHOOL ACTIVITIES AND PUPIL RESPONSIBILITIES

- School services
- Individual and group responsibilities

NEEDED SERVICES IN THE NEIGHBORHOOD AND EXPANDED COMMUNITY

- Effect of the environment on ways of living
  - Geographical features of the neighborhood and community
  - Plant and animal life
  - Weather and climate
  - Environmental changes
- Agencies offering community services, such as
  - Police station
  - Restaurants
  - Post Office
  - Fire station
  - Hospital
  - Cultural facilities
- Community services that are shared with other communities
  - Farms
  - Stores and shopping centers
  - **Airport** or **harbor**
- Learning how the airport, the harbor, and the community are interrelated
- Transportation and communication in expanding community relationships

GRADE A1

NEEDED SERVICES IN THE EXPANDED COMMUNITY

- Effect of the environment on ways of living
  - Geographical features of the neighborhood and community
  - Plant and animal life
  - Weather and climate
  - Environmental changes
- Community services that are shared with other communities
  - Farms
  - Stores
  - Shopping centers
- Interrelationships of the harbor and airport to the community, with an emphasis on the **harbor**
- Transportation as a means of expanding communities
- Role of communication media in developing understanding of current affairs in the community, the state, the nation, and the world

INTERRELATIONSHIPS AMONG NEIGHBORHOODS AND COMMUNITIES

- Need for people to work together to provide public services
- Role of communication and transportation in the market system
- Exchange of products in local, state, national, and world trade
- Contributions made by various racial and cultural groups to communities

COMBINATION GRADE A1–B2

PRODUCING, PROCESSING, AND MARKETING DAIRY PRODUCTS

- Production of dairy products
  - Workers involved
  - Agencies involved
  - Concern for health
- Methods of processing, packaging, and storing dairy products
- Distribution and marketing of dairy products
  - Source to consumer
  - Agencies concerned with distribution
  - Transportation of dairy products
  - Communication media

INTERRELATIONSHIPS AMONG NEIGHBORHOODS AND COMMUNITIES

- Need for people to work together to provide public services
- Role of communication and transportation in the market system
- Exchange of products in local, state, national, and world trade
- Contributions made by various racial and cultural groups to communities

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Understands that the earth is made up of land and water and is surrounded by air
- Understands that a map can be used to determine direction and distance
- Learns names of city, state, and country and locates them on maps and globes
- Makes and uses picture maps showing relative sizes
- Interprets simple map legends
- Finds familiar points of interest on large map of the community

ECONOMIC GEOGRAPHY

- Develops idea that people depend upon each other for the goods and services which they cannot provide for themselves
- Recognizes some ways in which money earned is spent for goods and services needed by members of the family
- Increases understanding that many people together pay for needed public services through taxation and voluntary contributions
- Learns about the extension of the work of various community agencies to other communities

PHYSICAL GEOGRAPHY

- Learns about the geographical features of the neighborhood and community
    - Mountains
    - Deserts
    - Valleys
    - Rivers
    - Lakes
    - Beaches
- Learns about plant and animal life
    - Kinds of plants and animals in the community
    - Ways to preserve natural wildlife and beauty
- Learns ways to utilize natural and human resources
- Develops understandings of direction, distance, and location in relation to the home, the school, and the neighborhood
- Learns about climate and weather
    - Rain
    - Sunshine
    - Fog
    - Clouds
    - Wind

CULTURAL GEOGRAPHY

- Begins to understand how life in the home is interwoven with life of the community
- Learns how people work together to satisfy basic needs
- Becomes aware of the changes in communities
    - New ideas and inventions
    - Improving, maintaining, and repairing homes
- Learns about improvements in transportation and communication
- Begins to think of a community as a group of people who live together and share common interests and common needs
- Recognizes that a community provides opportunities for people to earn a living
- Becomes aware of the many kinds of services which the community offers to satisfy human needs for
    - Food, water, and heat
    - Clothing
    - Shelter

SOCIAL STUDIES

HISTORY

DEVELOPING A SENSE OF TIME AND CHRONOLOGY

- Begins to develop a sense of time and chronology in relation to regular activities in his schedule
  - Time to read
  - Time to play
  - Time to eat lunch
  - Time to go home
- Participates in recording
  - Future plans
  - Past experiences
- Understands and uses words related to time, such as
  - Morning
  - Noon
  - Afternoon
  - Night

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Listens to stories about days of historical significance
  - Thanksgiving Day
  - Christmas Day
  - George Washington's Birthday
  - Abraham Lincoln's Birthday
- Begins to develop an understanding of the personalities and achievements of great American leaders

CURRENT AFFAIRS

- Begins to relate current happenings in the state, nation, and world to their effect on the community

CIVICS

RESPECT FOR AMERICAN IDEALS

- Participates with his group in the Pledge to the Flag
- Learns to stand when he hears the National Anthem and sees the flag

GOVERNMENT

- Develops an understanding of himself in relation to groups other than his intimate family circle
- Begins to understand the reasons for rules and regulations
- Recognizes the public nature of the services of workers, such as
  - The policeman
  - The fireman
  - The postman
  - Street and sanitation workers

RESPONSIBILITIES OF CITIZENS

- Participates actively in group projects
  - Contributes ideas and suggestions
  - Helps establish work standards
  - Assumes his fair share of housekeeping duties
- Conforms to group standards

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to gain information, to plan activities, and to follow directions
- Listens to music, stories, rhymes, and poetry

Conversing, Discussing, Reporting
- Converses in informal classroom activities
- Begins to participate in problem-solving and evaluation activities
- Discusses experiences
- Reports progress in activities

Creative Activities
- Interprets ideas through dramatic activities
- Retells familiar stories or tells original stories

Social Courtesies
- Greets friends and teacher; makes introductions
- Expresses gratitude
- Takes turns in speaking

ORAL ENGLISH SKILLS

Listening
- Listens attentively for directions and information, for enjoyment, and to evaluate

Speaking
- Speaks clearly and in a pleasant tone
- Pronounces words correctly
- Enunciates words distinctly
- Uses clear, interesting sentences

Organizing
- Tells details in sequence
- Begins to keep to the subject

Language Usage
- Recognizes, uses, and experiments with new words
- Develops a sensitivity to correct usage through hearing the teacher's speech
- Uses complete sentences
- Uses colorful, descriptive words
- Extends vocabulary by observing globes, pictures
- Develops awareness of correct usage

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes name to identify work
- Dictates ideas for signs and stories
- Writes labels and signs

Letter Writing
- Dictates ideas for letters
- Writes simple notes and greetings

Creative Writing
- Dictates ideas for group charts and individual stories
- Writes simple poems or stories

Recording
- Dictates songs, poems, construction needs, or classroom responsibilities
- Begins to record facts or experiences

Reference Activities
- Uses alphabet and files words in wordboxes
- Begins to use a simple dictionary

WRITTEN ENGLISH SKILLS

Signs, Captions, Labels, and Names
- Writes name or initials to identify work
- Writes signs, captions, and labels

Sentences
- Observes attentively as the teacher writes
- Begins to write sentences in story form

Capital and Small Letters, Punctuation
- Becomes aware of and begins to use capital and small letters
- Observes use of and begins to use period and question mark

Alphabetizing
- Uses picture file
- Observes and uses alphabet in finding words in group and individual wordboxes

Organization
- Participates in organizing
    - Materials
    - Work of classroom helpers

ENGLISH

SPELLING

Children enter Grade One with varying degrees of ability to listen and to speak. They begin to learn to read and write. As they grow in ability to read and write, they become aware of the structure of words. As the need to use words in written expression becomes evident, children must be guided to see that by learning to spell a few words they will save much time and will be able to write their thoughts more quickly. In Grade One, spelling is a part of the total communications program. As children grow in ability to write, spelling will be drawn out of the writing process for special study.

ORAL ENGLISH EXPERIENCES

Listening and Speaking
- Understands need for listening
- Listens to distinguish sounds
- Uses descriptive and rhyming words
- Uses endings s, **ed**, **ing** to form new words
- Recognizes words of opposite and like meanings

WORD STUDY

Configuration
- Begins to get a clear image of printed word

Phonetic Analysis
- Listens for correct sound of word
- Listens to pronounce words correctly
- Listens to enunciate words clearly
- Recognizes like and unlike sounds
- Recognizes initial consonants and vowels
- Begins to recognize long and short vowels, consonant blends, and digraphs

Structural Analysis
- Recognizes root words and variants
- Begins to recognize compound words

Dictionary
- Uses group and individual wordboxes
- Begins to use dictionary

Capitalization
- Uses capital letters as needed
- Uses period as needed

WRITTEN ENGLISH EXPERIENCES

- Dictates and observes as the teacher writes
- Begins to use manuscript letter forms in writing

HANDWRITING

HANDWRITING ABILITIES

- Develops the motor skills needed for handwriting
  - Eye-hand coordination
  - Arm and hand coordination
- Learns to observe attentively as the teacher writes

HANDWRITING SKILLS

- Develops an awareness of the shapes of manuscript letters
- Develops an awareness of the size and the spatial relationships between letters and words
- Understands left-to-right progression in writing
- Learns to hold chalk, crayon, and pencil with reasonable skill
- Uses straight lines and curves in all manuscript writing

HANDWRITING MATERIALS

- Learns to use materials appropriate to level of maturity
- Learns to use materials suited to the purpose of the handwriting experience
  - Chalk on the chalkboard
  - Crayon on appropriate paper
  - Primary pencil on appropriate paper

HABITS OF STUDY

- Observes carefully as the teacher writes
- Shows an interest in learning to write
- Forms visual images for purpose of remembering letter forms and relationships
- Uses correct writing posture when writing at the chalkboard or at the table
- Learns to hold arm in a relaxed and natural position
- Uses left-to-right progression
- Develops a sense of pride and achievement in learning to write
- Requests help when needed

HANDWRITING EXPERIENCES

- Begins to write numerals, stories, and names of persons, days, and months

COMPREHENSION SKILLS

- Obtains information and enjoyment from reading
- Identifies main ideas in stories
- Identifies speaker and person addressed
- Anticipates outcomes, draws conclusions, makes inferences
- Recalls what has been read

WORD PERCEPTION SKILLS

Contextual Clues

- Identifies theme and action of story and unknown words through use of pictures
- Identifies specific word through context

Configuration Clues

- Uses form to identify unknown words
- Recognizes difference between capital and lower case letters

Phonetic Analysis

- Uses known similarities to recognize unknown words
- Distinguishes among sounds of most final consonants
- Studies medial consonants, consonant digraphs and blends, and long vowels

Structural Analysis

- Learns to recognize some root words
- Learns plural forms *s* and *es*
- Learns verb endings *s, ed, d,* and *ing*
- Learns some compound words

VOCABULARY DEVELOPMENT

- Begins to use dictionary
- Develops concepts of common antonyms, synonyms, and homonyms
- Develops initial concepts of prepositions, pronouns, adverbs, and adjectives

REFERENCE SKILLS

- Locates story by page number
- Locates story in table of contents

ORGANIZATIONAL SKILLS

- Tells story in sequence
- Learns to recognize letters of alphabet

INFORMATIONAL AND RECREATIONAL READING

- Reads picture books, charts, and books
- Listens to stories and poetry
- Reads for personal enjoyment

SCIENCE

LIVING THINGS

Relationships Among Living Things

- Understands how living things have similar and different characteristics
- Observes how living things need food, water, air, and sunlight
- Understands that most living things reproduce their own kind

Plant Life

- Observes that plants change with the seasons
- Recognizes that some plants are beneficial and others are harmful

Animal Life

- Understands that different kinds of animals live in different places
- Observes that different animals have different coverings
- Understands that some animals change form
- Observes that some animals need care

MATTER AND ENERGY

Nature of Matter and Energy

- Relates the nature of matter to the environment
- Increases understanding of how matter can change form

Mechanical Energy

- Becomes aware of many kinds of machines
- Experiments with ramps in moving things up and down at different angles
- Experiments with levers as simple machines
- Understands the relationship of "work" to moving objects

Magnetic Energy

- Discovers that the force of magnetism varies
- Investigates the nature of magnetic fields and specific materials attracted by magnets

Light and Heat Energy

- Understands relationships between light and heat and their uses
- Learns to measure temperature
- Discovers that living things need heat and light
- Identifies the sun as the major source of heat and light

Sound Energy

- Discovers that sounds are made by objects in motion
- Understands how sounds are used

EARTH

Structure Changes

- Recognizes various land and water formations
- Discovers that land is composed of soil, rock, and sand
- Investigates different kinds of rocks and soil
- Understands how land and water areas of the earth are used

Atmosphere and Weather

- Understands that air is present in soil, water, and some rocks
- Observes that wind is air in motion
- Discovers the effects of wind and heat on evaporation
- Begins to understand the formation of clouds and causes of precipitation

Seasons and Climate

- Understands that seasons bring many changes and are not the same everywhere
- Begins to relate length of daylight to the various seasons

THE UNIVERSE

Earth-Moon-Sun Relationships

- Understands that the rotation of the earth causes day and night
- Learns that the sun shines continuously
- Understands that many objects in space have certain similarities and differences

GRADE B1

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts by rote to one hundred
- Uses cardinal and ordinal numbers
- Begins to understand the meaning of whole numbers through fifty
- Begins to read and write numerals to represent number ideas through fifty
- Begins to understand place value at the ten's place
- Increases set vocabulary to include equivalent and non-equivalent sets

FUNDAMENTAL OPERATIONS

Addition

- Develops an understanding of addition through the use of concrete and manipulative materials in meaningful situations
  - Extends the concept of addition as the union of disjoint sets
  - Emphasizes the inverse relationship between addition and subtraction
  - Understands and begins to use the commutative principle of addition
  - Understands and uses the associative principle of addition with three addends
- Works with addition facts with sums of ten
- Reads and writes mathematical sentences involving addition
- Practices the use of vertical notation for addition
- Develops the use of vocabulary in relation to addition, such as all, altogether, add, addends, missing addend, sum, placeholder, plus, equals

Subtraction

- Continues to use concrete and manipulative materials in firsthand experiences to develop the meaning of subtraction
  - Visualizes formation of two subsets with a set of ten objects or less
  - Begins to interpret subtraction as set separation
  - Understands inverse relationship of subtraction to addition using number line
- Works with minuends through ten
- Writes mathematical sentences involving subtraction
- Uses vertical notation for subtraction
- Develops use of vocabulary, such as less, fewer, difference, placeholder, minus

Multiplication

- Builds understanding for multiplication through joining equivalent sets

Division

- Begins to understand division as partitioning

MEASUREMENT

- Develops understanding of standard and non-standard units of measure
  - Calendar: Uses a calendar
  - Time: Recognizes use of clock to tell time
  - Temperature: Recognizes use of thermometer
  - Linear measure: Uses to find length and height
  - Area: Recognizes what area means
  - Weight: Compares weight as heavy or light
  - Liquid measure: Recognizes quart, pint, cup
  - Money: Understands quarter, dime, nickel, cent
  - Quantity: Uses vocabulary of dozen, pair
- Becomes aware that measurement is approximate

GEOMETRY

- Develops understandings of difference between straight and curved lines
- Works with the circle, square, rectangle, triangle

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Recognizes and solves problems orally
- Interprets problems from pictures
- Begins use of mathematical notation and vocabulary in oral and written problems

GRADE A1

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts beyond one hundred
- Skip-counts by twos to fifty
- Skip-counts by fives and tens to one hundred
- Uses number line to show order of numbers
- Becomes aware of odd and even numbers
- Uses cardinal numbers through fifty
- Uses ordinal numbers through tenth
- Understands meaning of numbers through ninety-nine and uses symbols to compare numbers (> <)
- Reads and writes numerals through ninety-nine
- Develops understanding of place value
- Begins to develop understanding of rational numbers (one-half, one-third, one-fourth)
- Becomes aware that fractions are numerals
- Uses mathematical vocabulary and notation

FUNDAMENTAL OPERATIONS

Addition

- Understands addition through firsthand experiences and use of manipulative materials
  - Relates process to union of disjoint sets
  - Sees inverse relationship of subtraction to addition
  - Uses commutative and associative principles
  - Becomes aware of zero as identity element
- Works with addition facts through nineteen
  - Adds two-digit numbers with two and three addends with sums through ninety-nine (no carrying)
  - Continues use of number line
- Reads and writes mathematical sentences
  - Uses placeholders for missing addends
  - Emphasizes equality in sentences
  - Uses zero in mathematical sentences
  - Uses the symbols + and =
- Uses vertical notation in addition examples
- Begins to work problems using column addition
- Continues to develop vocabulary for addition

Subtraction

- Develops understanding through manipulation of concrete objects into two subsets
  - Visualizes subsets of nineteen or fewer objects
  - Understands subtraction as inverse of addition
  - Understands use of zero in subtraction
- Works with minuends of nineteen or less
  - Subtracts with two-digit numerals
  - Begins to subtract tens (no borrowing)
- Reads and writes mathematical sentences involving subtraction
  - Uses symbols − and =
  - Uses zero as subtrahend
  - Uses placeholder in various positions
- Works problems in vertical notation
- Uses vocabulary of subtraction

Multiplication

- Understands and recognizes equivalent sets
- Begins to skip-count by twos, threes, and fives
- Becomes aware of multiples of ten

Division

- Understands division through manipulation of concrete objects into equivalent sets
- Develops understanding of one-half, one-third, and one-fourth of a set

MEASUREMENT

- Understands and uses standard and non-standard units of measure
  - Calendar: Uses and reads the calendar
  - Time: Reads and writes time to hour and half-hour
  - Temperature: Reads a thermometer
  - Linear measure: Uses foot ruler and yardstick
  - Area: Estimates size of area
  - Weight: Begins to weigh objects on scale
  - Liquid measure: Compares quarts and pints
  - Money: Counts money; makes change
  - Quantity: Understands and uses half-dozen
- Uses symbol $\underset{=}{m}$ ("is equal in measure to")

GEOMETRY

- Begins to see characteristics of plane figures

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Analyzes and solves simple mathematical problems
- Relates picture problems to mathematical sentences
- Applies addition and subtraction to determine money values of coins, make change, tell time

MUSIC

INTERRELATED ACTIVITIES

- Continues with greater refinement and accuracy the interrelated activities begun in the Kindergarten, including listening, singing, rhythmic, instrumental, and creative activities

LISTENING ACTIVITIES

- Begins to understand the difference between
  Higher and lower
  Faster and slower
  Softer and louder
- Finds increasing pleasure in beauty of tone and in rhythmic movement
- Begins to recognize and identify phrases and simple patterns of melody and rhythm

SINGING ACTIVITIES

- Develops greater beauty of tone and naturalness of expression in singing
- Develops a gradually increasing accuracy of pitch and rhythm
- Becomes better able to express himself through songs

RHYTHMIC ACTIVITIES

- Develops a greater freedom of expression through bodily movement and a growing understanding of its relationship to the characteristics of music

INSTRUMENTAL ACTIVITIES

- Learns to play simple tonal and rhythm instruments to promote greater accuracy of pitch in singing and to clarify such understandings as those cited under Listening Activities

MUSIC READING ACTIVITIES

- Begins to be sensitive to the meanings of a variety of visual symbols, including bodily movement and notation on the staff to represent pitch and duration
- Begins to understand and use a modest vocabulary of words growing out of his musical experiences

CREATIVE ACTIVITIES

- Enjoys a feeling of discovery and creative expression in all musical activities

ART

OVERVIEW

- Pupils vary in their patterns of growth and development. Progress is gradual, but the pupil benefits at each step from the experience gained in the last. A stimulating environment, together with continued creative manipulation and experimentation, will permit pupils to progress in a gradual and natural manner.

MATERIALS

- Uses a variety of materials

Tempera paint	Crayons
Colored chalk	Clay
Paper	Starch
Nature materials	
Vermiculite, plaster of Paris	
Miscellaneous materials, such as beads, buttons, string, yarn, sand, wood, cloth	

EXPERIENCES

- Manipulates to discover the nature of materials
- Expresses ideas based on personal experience
- Observes line, form, color, texture, and value in nature and in man-made objects
- Learns the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Looks at pictures and other expressions of the fine arts

APPRECIATIONS

- Becomes more aware of art qualities in the environment
- Exercises judgment in selecting and using visual materials
- Develops appreciations of the art expressions of other pupils, as well as of adult artists

PRACTICAL ARTS

TOOLS AND MATERIALS

- Manipulates tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK

- Continues to develop standards of working and sharing tools and materials with other pupils
- Becomes more critical of his own efforts

EXPERIENCES

- Develops ability to create material objects that satisfy his needs
- Begins to plan individual projects alone

UNDERSTANDINGS

- Develops an appreciation of the creative expressions of others

SPANISH

LEARNING ACTIVITIES

- Learns Spanish phrases pertaining to
  - Members of immediate family
- Asks and answers questions about family and friends
- Uses pictures to convey and reinforce meaning
- Participates in dramatic play
- Participates in guessing games
- Responds to directions
- Sings familiar Spanish songs

HEALTH

CLEANLINESS AND GROOMING
- Learns to comb hair
- Wears clean, suitable clothing

POSTURE
- Chooses chairs and tables that fit
- Sits correctly

DENTAL HEALTH
- Learns importance of six-year molar
- Cleanses teeth after eating

CARE OF EYES, EARS, AND NOSE
- Keeps hands from eyes, ears, nose
- Learns correct conditions for viewing and hearing audio-visual aids

REST AND SLEEP
- Has a rest time at school and home
- Has a quiet, happy period before bedtime

FOODS AND NUTRITION
- Eats an adequate breakfast
- Is clean when handling foods
- Develops pleasing eating habits

PREVENTION AND CONTROL OF DISEASE
- Keeps foreign objects out of mouth
- Uses handkerchief or tissue
- Is cautious about handling unfamiliar substances
- Prepares for immunization program
- Stays home when ill

EMOTIONAL AND SOCIAL HEALTH
- Cooperates in the home
- Recognizes responsibility to others
- Makes many friends; is polite
- Learns to care for possessions
- Develops a sense of humor
- Accepts "no," "yes," "Let's do this"
- Adjusts to disappointments
- Enjoys creative activities

GROWTH AND DEVELOPMENT
- Participates in outdoor activities followed by rest or a quiet period

COMMUNITY HEALTH
- Returns materials to designated places; disposes of waste correctly
- Avoids strange animals

PHYSICAL EDUCATION

PHYSICAL SKILLS
- Practices previously developed skills
- Engages in activities requiring greater accuracy and control in basic skills
- Develops an increasing efficiency of body movement
- Develops the ability to respond physically to music, rhythmic sounds, and ideas
- Achieves greater skill on apparatus
- Learns group games
- Engages in group play
- Participates in simple singing games and a variety of rhythmic activities
- Learns to use a jump rope
- Learns controlled use of rubber balls
  - Underhand toss
  - Side toss
  - Arm catch
  - Hand catch
  - Accurate roll of ball
  - Kick of stationary ball
- Performs fundamental rhythms correctly and rhythmically
  - March
  - Skip
  - Hop
  - Slide
  - Gallop
  - Swing

ATTITUDES
- Learns respect for the rights of others
- Develops responsibility within a group
  - Followership
  - Leadership
- Regards rhythmical experiences as pleasurable
- Wants to exercise because of its value for growing children

UNDERSTANDINGS
- Develops an understanding of individual and partnership roles through activities of low organization
- Gains an understanding of what rhythm means
- Understands the difference between poor and good posture
- Understands why a child should rest after exercising hard and getting out of breath

GRADE ONE

SAFETY

AS A PEDESTRIAN

- Crosses streets at corners; observes traffic signals; walks single file facing traffic in the absence of sidewalk

TO AND FROM SCHOOL

- Walks with friends; avoids talking to strangers or being friendly with strange animals
- Carries lunch box and other materials in a safe manner
- Is aware of required arrival time and does not loiter en route

ON THE PLAYGROUND

- Recognizes the need for playground supervision
- Plays in assigned areas within school boundaries
- Follows correct procedures when playing with or returning balls
- Uses jump ropes cautiously
- Reports presence of strange animals and does not play with them

IN BUILDING AND CLASSROOMS

- Exercises self-discipline and observes the rights of others
- Follows proper traffic patterns in hallways and classrooms
- Conducts himself as directed in the cafeteria
- Uses books and equipment safely
- Recognizes and heeds emergency warning signals
- Avoids open fires and heaters

DURING EMERGENCY DRILLS

- Learns to recognize bell signals indicating emergencies

IN FIRE PREVENTION

- Keeps safe distance from open fires and heaters

AT HOME

- Avoids dangerous play areas
- Refrains from straying away from home
- Avoids swimming or playing in unsupervised areas

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT

- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS

- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with other pupils
- Listens and responds promptly and willingly

CITIZENSHIP

- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE TWO

SOCIAL STUDIES

THEME: OUR COMMUNITY AND CITY: THE INTERRELATEDNESS OF COMMUNITY LIFE

GRADE B2

WAYS IN WHICH PEOPLE MEET NEEDS IN PRODUCING, PROCESSING, AND MARKETING FOOD

Poultry Farm
Dairy and Creamery
Local Farms and Ranches

- Importance to all people in meeting basic needs for food, clothing, and shelter
- Production of food
    - Farms and ranches
    - Workers involved
    - Agencies involved
- Methods of processing, packaging, and storing foods
- Distribution and marketing of food products
    - Wholesale and retail markets
    - Transportation
    - Communication

PRODUCTION AND EXCHANGE OF MATERIALS AND SERVICES BETWEEN COMMUNITIES

- Interdependence of communities
- Production of goods from raw materials
    - Skills and equipment
    - Effect of agricultural and industrial growth
- Transportation of materials and goods

EFFECT OF NATURAL ENVIRONMENT AND PEOPLE ON EACH OTHER

- Effects on land use
    - Natural environment
    - Effects on food supply
- Modification of natural environment

COMBINATION GRADE B2-A2

WAYS IN WHICH PEOPLE MEET NEEDS IN PRODUCING, PROCESSING, AND MARKETING FOOD

Poultry Farm
Local Farms and Ranches
The Wheat Farm and the Bakery

- Importance to all people in meeting basic needs for food, clothing, and shelter
- Production of food
- Methods of processing, packaging, and storing
- Distribution and marketing

PRODUCTION AND EXCHANGE OF MATERIALS AND SERVICES BETWEEN COMMUNITIES

- Interdependence of communities
- Production of goods from raw materials
- Transportation of materials and goods

EFFECT OF NATURAL ENVIRONMENT AND PEOPLE ON EACH OTHER

- Effects on land use
    - Natural environment
    - Effects on food supply
- Modification of natural environment

THEME: OUR COMMUNITY AND CITY: THE INTERRELATEDNESS OF COMMUNITY LIFE

GRADE A2

WAYS IN WHICH PEOPLE MEET NEEDS IN PRODUCING, PROCESSING, AND MARKETING FOOD

Poultry Farm
The Wheat Farm and the Bakery
Local Farms and Ranches

(Or OPTIONAL UNIT OF STUDY)

WAYS IN WHICH PEOPLE MEET NEEDS IN PRODUCING, PROCESSING, AND MARKETING CLOTHING AND CLOTH PRODUCTS

- Importance to all people in meeting basic needs for food, clothing, and shelter
- Production of materials
- Processing of materials
- Distribution and marketing

PRODUCTION AND EXCHANGE OF MATERIALS AND SERVICES BETWEEN COMMUNITIES

- Interdependence of communities
- Production of goods from raw materials
- Transportation of materials and goods

EFFECT OF NATURAL ENVIRONMENT AND PEOPLE ON EACH OTHER

- Effects on land use
    - Natural environment
    - Effects on food supply
- Modification of natural environment

COMBINATION GRADE A2-B3

EXCHANGE OF IDEAS BETWEEN COMMUNITIES: THE POST OFFICE

- The postal system
    - Learning about a post office
    - The post office station
    - The Terminal Annex of the Los Angeles Post Office
- Postal services
    - History of mail
    - Transporting mail
    - Envelopes and stamps
    - Helping the post office

UTILIZATION OF NATURAL RESOURCES: FISHING

- Work of the fishing industry
    - Kinds of craft and equipment
    - Variety of tasks performed by workers
- Development of the fishing industry
    - Changing methods
    - Improved processing procedures
- Utilizing natural resources adequately

OVERVIEW OF THE LOS ANGELES AREA: ITS BEGINNINGS

- Prehistoric period
- Indian villages in the Los Angeles area
- Beginnings of El Pueblo

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Understands that the earth is a sphere that can be divided into hemispheres
- Learns that cardinal directions are determined by the poles of the earth
- Finds the equator on a globe
- Locates city, state, and country on the North American continent
- Understands that mileage scales indicate distance
- Understands how map legends help to interpret information on maps
- Uses maps and globes to compare same area

ECONOMIC GEOGRAPHY

- Recognizes that there is an interdependence between the community and the farm for the mutual exchange of goods and services
- Begins to understand that regions tend to produce the goods and services for which they have the factors of production
- Finds that wages received for labor enable workers to buy each other's products
- Becomes acquainted with importance of money and financial institutions
- Begins to understand the cooperative nature of community services

PHYSICAL GEOGRAPHY

- Develops understandings of direction, distance, and location in relation to the home, the school, and the neighborhood
- Learns directions, such as
  - Right
  - Left
  - North
  - South
  - East
  - West
- Begins to locate buildings, streets, and areas of the community on simple floor maps
- Develops an understanding of the effects of weather, seasons, soil, and water on crops and farming

CULTURAL GEOGRAPHY

- Recognizes that many people work to supply the community's needs for goods and services
- Learns about the activities of the people who produce food
- Learns about the different methods of processing food and the activities involved
- Learns about the ways that foods are packaged
- Learns about the different ways of transporting food and the kinds of vehicles needed
- Learns about the ways in which foods are distributed
- Becomes aware of the interdependence of all workers
- Recognizes that tools and machinery make work easier for the worker

HISTORY

DEVELOPING A SENSE OF TIME

- Develops a sense of time and chronology in relation to regular activities in his daily and weekly schedule
  - Time to come to school
  - Time to work
  - Time to clean up
- Participates in recording
  - Future plans
  - Past experiences
- Understands and uses time words, such as
  - Morning
  - Noon
  - Afternoon
  - Evening
  - Night
  - Tomorrow
  - Yesterday
- Learns to tell time

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Listens to stories about days of historical significance
  - Thanksgiving Day
  - Christmas Day
  - George Washington's Birthday
  - Abraham Lincoln's Birthday
  - Columbus Day
- Begins to develop an understanding of the personalities and achievements of great American leaders

CURRENT AFFAIRS

- Continues to relate current happenings in the state, nation, and world to their effect on the community

CIVICS

RESPECT FOR AMERICAN IDEALS

- Learns to give the Pledge to the Flag
- Begins to understand that the United States Flag is a symbol of his country
- Learns some of the regulations governing the proper care of the flag
- Participates with older children in singing the National Anthem
- Learns to sing "America"

GOVERNMENT

- Identifies himself with group projects and group interests
- Recognizes the reasons for school rules and regulations
- Begins to understand the cooperative nature of community services rendered by such agencies as
  - The Police Department
  - The Fire Department
  - The post office
  - The school
- Becomes aware of government regulations related to the growing, the distribution, and the sale of food
- Develops an appreciation of the efforts of the government to protect the consumer from disease, dishonesty, and fraud
- Develops a feeling of loyalty to his group
  - Talks in terms of "we," "us," and "our"
  - Volunteers to help when needed
  - Accepts responsibility for duties appropriate to his age and ability
- Becomes increasingly self-directive and self-reliant

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to gain information, to follow directions, and to plan activities
- Listens for enjoyment

Conversing, Discussing, Reporting
- Converses in informal situations and when planning activities
- Uses appropriate standards for talking on the telephone
- Participates in group planning, problem solving, and evaluation
- Begins to report on individual and classroom activities

Creative Activities
- Interprets ideas in dramatic activities
- Uses descriptive, colorful words
- Retells familiar stories

Social Courtesies
- Listens courteously and quietly
- Makes simple introductions
- Takes turns in speaking

ORAL ENGLISH SKILLS

Listening
- Listens attentively to follow the thought expressed
- Listens without interrupting speaker
- Listens to make related contributions

Speaking
- Enunciates blends clearly
- Pronounces clearly words beginning with **r**, **l**, **s**, and **z**

Sentences
- Grows in ability to express ideas in sentences
- Recognizes that a sentence may tell or ask something

Organizing
- Tells experiences in logical sequence
- Keeps to the subject

Vocabulary Usage
- Understands and uses new words
- Shows increasing sensitivity to correct usage

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes name to identify work
- Writes signs, labels, and captions
- Writes to record facts or experiences

Letter Writing
- Dictates ideas for letters
- Writes simple notes or greetings
- Begins to understand and use a simple form for letter writing

Creative Writing
- Dictates stories, poems, or experiences
- Writes stories and poems or about experiences

Recording
- Records facts and experiences

Reference Activities
- Uses wordbox, dictionary, table of contents, and picture file

WRITTEN ENGLISH SKILLS

Signs, Labels, Captions, and Names
- Writes given name and surname in manuscript

Sentences
- Observes attentively as the teacher writes sentences
- Writes simple sentences in stories

Capital and Small Letters, Punctuation
- Uses capital and small letters correctly
- Uses period, question mark, comma

Abbreviations
- Observes and uses abbreviations **Mr., Mrs.**

Alphabetizing and Dictionary
- Uses group and individual wordboxes
- Begins to use a simple dictionary

Organizing
- Participates in composing group charts, letters, and classroom lists

Parts of Speech
- Begins to recognize different kinds of words

SPELLING

ORAL ENGLISH EXPERIENCES

Listening and Speaking

- Listens for information
- Listens to evaluate
- Listens for appreciation and enjoyment
- Converses with peers
- Discusses ideas with group
- Recognizes and uses action and rhyming words
- Uses s, ed, ing to form new words
- Recognizes words of opposite and like meanings

WORD STUDY

Configuration

- Observes words carefully to get clear images

Phonetic Analysis

- Hears and pronounces words correctly
- Enunciates words clearly
- Recognizes like and unlike sounds
- Recognizes initial and final consonants, vowels
- Recognizes long and short vowels, consonant blends, and digraphs

Structural Analysis

- Recognizes likenesses and differences in word forms
- Recognizes the inflectional forms of known words formed by adding **s**, **ed**, **ing**

Dictionary

- Uses a wordbox and dictionary

Capitalization

- Uses capital letters when needed
- Uses period

HABITS OF STUDY

- Develops interest in spelling words correctly
- Listens attentively
- Pronounces correctly; enunciates clearly
- Begins to acquire method of learning new words
- Writes clearly and legibly in manuscript form

WRITTEN ENGLISH EXPERIENCES

- Uses the manuscript form of handwriting
- Writes names, stories, letters, invitations

HANDWRITING

HANDWRITING SKILLS

- Writes with growing ease using correct body posture and correct position of pencil in hand
- Forms capital letters, tall letters, and small letters of the correct height; makes numerals, capitals, and tall letters, except **t**, the same height
- Uses straight lines and curves in making manuscript letter forms
- Writes with increasing legibility in manuscript form of handwriting
- Spaces correctly within words
- Spaces correctly between words and between sentences

HANDWRITING MATERIALS

- Uses materials suitable for each kind of handwriting
- Uses materials appropriate to the level of maturity

HABITS OF STUDY

- Assumes the correct posture for writing
- Holds the head in correct position in relation to work
- Holds the arm in a relaxed and natural position
- Forms associations, through noting likenesses and differences, that help recall words
- Consults the teacher for needed word or letter forms

HANDWRITING EXPERIENCES

- Writes name to identify work
- Writes the identifying signs and labels needed in dramatic activities
- Writes simple stories
- Writes invitations and "thank-you" letters
- Records facts or experiences
- Writes names of days, months, and holidays as needed

COMPREHENSION SKILLS

- Recalls sequence of story development
- Makes generalizations and classifies related ideas
- Chooses between fact and fancy

WORD PERCEPTION SKILLS

Contextual clues

- Identifies new words through thought of sentence

Configuration clues

- Recognizes words which are grossly similar but different in detail

Phonetic analysis

- Develops generalizations about long and short vowels
- Develops principles of vowel digraphs
- Learns about medial vowels and diphthongs
- Learns influence of open and closed syllables on vowels
- Learns consonant trigraphs and three-letter blends
- Learns variant sounds of selected letters

Structural analysis

- Learns selected contractions
- Learns changes occurring in root words when various endings are added

VOCABULARY DEVELOPMENT

- Recognizes and uses additional synonyms and antonyms
- Associates spoken and printed words with picture maps, pictures, etc.

REFERENCE SKILLS

- Grows in ability to use title page, table of contents, and page numbers
- Uses variety of books for information

ORGANIZATIONAL SKILLS

- Begins to categorize
- Summarizes

INFORMATIONAL AND RECREATIONAL READING

- Reads to answer questions
- Reads in an area of special interest
- Learns myths, legends, and folk tales of other cultures

LIVING THINGS

Relationships Among Living Things

- Recognizes that living things have individual characteristics and vary in size, shape, and structure
- Observes living things and how they carry on life processes
- Discovers how living things live in communities
- Understands how weather and seasons affect living things

Plant Life

- Performs experiments to learn about plant growth and development
- Experiments with a variety of soils and observes their effects on plant growth
- Recognizes that seeds are dispersed in various ways and that each plant produces a plant of its own kind
- Observes that parts of plants are used for food

Animal Life

- Observes animals as they develop through different stages of growth
- Understands that some animals hatch from eggs and others are born alive
- Recognizes the different groups of animals

MATTER AND ENERGY

Nature of Matter and Energy

- Understands that energy is the ability to cause things to move

Physical and Chemical Change

- Understands that water exists in three forms
- Observes that we can change matter from one form to another
- Experiments with metals and other materials that change form

Mechanical Energy

- Investigates how simple machines and levers perform different kinds of work
- Discovers that a pulley is a wheel that turns on an axle
- Experiments with uses of different objects and observes their relationship to friction

Electrical and Magnetic Energy

- Experiments with uses of a variety of magnets and learns about their magnetic fields of force
- Discovers that a magnet may "transfer" magnetic energy to produce other magnets
- Discovers how the compass indicates direction
- Understands the different sources of electricity
- Observes how electricity is transmitted

Light and Heat Energy

- Observes that light and heat are produced by the sun and other sources
- Performs experiments to learn about sunlight and its constituent colors
- Discovers how different materials and surfaces affect light

EARTH

Atmosphere and Weather

- Observes that air takes up space and has weight
- Performs experiments to learn about evaporation and its relationship to cloud formation and the water cycle
- Discovers that water evaporates into the air from many sources
- Learns to measure and record information about the earth's atmosphere

Seasons and Climate

- Understands that there are different seasons during the year
- Learns that seasons differ in various regions

THE UNIVERSE

Earth-Moon-Sun Relationships

- Observes that the sun provides heat and light
- Relates the earth's rotation to the cause of day and night
- Learns about the gravitational force of earth and how it is measured
- Observes that the sun appears to rise in the east and appears to set in the west
- Observes the movement of the moon across the sky and that it apparently changes form

Inter-Stellar Space

- Understands that stars are large suns which are a great distance away
- Learns that stars shine day and night by their own light

MATHEMATICS

GRADE B2

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts by ones beyond one hundred
- Skip-counts by twos, threes, and fives beyond one hundred
- Uses ordinal numbers beyond tenth
- Understands whole numbers through ninety-nine and beyond
- Reads and writes numerals through ninety-nine and beyond
  - Begins to use expanded notation
  - Becomes aware of positional use of zero
- Understands place value to hundred's place
- Understands the rational numbers one-half, one-third, one-fourth, three-fourths, and two-thirds
- Understands number as cardinal property of a set

FUNDAMENTAL OPERATIONS

Addition

- Uses manipulative materials to develop understanding of addition
  - Relates addition to union of disjoint sets
  - Sees inverse relation of addition and subtraction through the use of the number line
  - Applies commutative and associative principles
- Understands addition facts with sums through nineteen
  - Uses expanded notation to clarify carrying ones and tens
  - Sees importance of combinations of ten
- Reads and writes mathematical sentences
- Uses vertical notation
- Develops skills in column addition
- Uses correct vocabulary and notation for addition, such as addend, sum

Subtraction

- Uses manipulative materials to develop understanding of subtraction
  - Emphasizes inverse relationship of subtraction and addition
  - Uses number line to clarify process
- Subtracts with two-digit numerals without regrouping (borrowing)
  - Uses expanded notation to make process meaningful
  - Emphasizes place value
- Reads and writes mathematical sentences
- Subtracts using vertical notation
- Begins to develop method to check subtraction
- Uses vocabulary for subtraction, such as subtract, minus, difference

Multiplication

- Continues to recognize equivalent sets
- Counts in multiples of two, five, and ten

Division

- Understands division as set partitioning

MEASUREMENT

- Understands and uses standard and non-standard units of measure
  - Calendar: Continues use of calendar
  - Time: Tells time to quarter hour
  - Temperature: Reads and writes temperatures
  - Linear measure: Learns meaning of half-inch
  - Area: Classifies areas as to shape and size
  - Weight: Reads weights to nearer half-pound
  - Liquid measure: Understands use of liquid units of measure
  - Money: Reads and writes sums of money ($, ¢)
  - Quantity: Uses dozen, half-dozen, gross
  - Graphs, charts, maps: Becomes aware of map as symbol of location
- Uses symbol $\underline{\underline{m}}$ in writing measurement problems

GEOMETRY

- Increases awareness of properties of lines, points, and plane figures
- Begins to recognize diameter of a circle

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Develops techniques to analyze and solve problems
- Puts picture problems into mathematical sentences
- Understands use of addition and subtraction in solving problems
- Uses problem-solving techniques for written problems
- Sees there are many ways to solve a problem
- Uses correct mathematical vocabulary and notation in both oral and written work to solve problems

MATHEMATICS

GRADE A2

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts by ones, twos, fives, tens, and hundreds through nine hundred ninety-nine
- Understands whole numbers through nine hundred ninety-nine
- Reads and writes numerals through nine hundred ninety-nine
- Understands place value through the hundred's place
- Understands zero as the identity element in addition and subtraction
- Develops further meaning of rational numbers
- Begins to understand meaning of disjoint sets

FUNDAMENTAL OPERATIONS

Addition

- Develops concept of addition as union of disjoint sets
- Applies commutative and associative principles to addition
- Works to master addition facts
- Uses number line to clarify process
- Uses horizontal and vertical notation
- Emphasizes equality in mathematical sentences
- Begins to regroup (carry) in addition
  - Adds two-digit and three-digit numerals with two, three, or four addends
- Continues use of vocabulary for addition, such as addend, sum, carrying, regrouping

Subtraction

- Develops further understanding of subtraction
  - Sees subtraction as set separation
  - Understands relationship to addition
- Understands and uses subtraction facts
  - Subtracts two- and three-digit numerals
  - Begins to use regrouping (borrowing)
- Reads and writes mathematical sentences
- Develops method to check subtraction
- Uses correct vocabulary for subtraction, such as subtract, minus, difference, borrow, regroup

Multiplication

- Begins to understand process as the union of equivalent disjoint sets
- Sees inverse relationship to division
- Understands facts through five times five
- Begins to see multiplication as repeated addition
- Begins to use commutative property
- Begins to read and write mathematical sentences
  - Uses symbol X to show multiplication
- Begins use of vertical notation
- Uses multiplication vocabulary, such as product, factor, missing factor, times

Division

- Understands division as set partitioning
- Sees inverse relation to multiplication
- Understands process as equal subtractions
- Begins to work problems whose dividends are twenty-five or less
- Develops vocabulary for division, such as divide, separate, missing factor, quotient

MEASUREMENT

- Understands and uses standard and non-standard units of measure
  - Calendar: Learns names of months
  - Time: Reads time to the minute
  - Temperature: Uses a thermometer
  - Linear measure: Uses foot ruler, yardstick
  - Area: Estimates areas in relation to use
  - Weight: Uses scales to compare weights
  - Liquid measure: Uses gallons, half-gallons, pints, and quarts
  - Money: Works problems in money values
  - Quantity: Uses terms dozen, gross, half-dozen
  - Graphs, charts, maps: Uses to record information

GEOMETRY

- Develops ability to draw figures with lines
- Begins to see congruency of figures
- Learns about solid figures (cube and sphere)

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Recognizes, analyzes, and solves problems
- Reads and writes story problems
- Uses mathematical sentences to solve problems
- Begins to develop techniques to check problems
- Begins to evaluate answers for reasonableness
- Uses correct vocabulary and notation in problems

MUSIC

LISTENING ACTIVITIES
- Becomes more sensitive to beauty of tone
- Recognizes like and unlike phrases of songs and sections of instrumental compositions
- Becomes more sensitive to the rhythmic characteristics of music and to the beauty of melodies; grows in the ability to remember them

SINGING ACTIVITIES
- Grows in the ability to sing expressively with beauty of tone and with accuracy of pitch and of rhythm

RHYTHMIC ACTIVITIES
- Responds to the rhythmic elements in music with greater appropriateness and discrimination through bodily movement and the use of rhythm instruments

INSTRUMENTAL ACTIVITIES
- Grows in the ability to use rhythm and tonal instruments with increasing discrimination and skill

MUSIC READING ACTIVITIES
- Becomes more aware of notation as symbolizing patterns from songs seen on chalkboard, charts, flannel board, and in books
- Begins to understand and use a growing vocabulary of words related to his musical experiences

CREATIVE ACTIVITIES
- Exercises imagination in suggesting patterns from songs that may be used for introductions, accompaniments, and codas

ART

OVERVIEW
- Pupils in Grade Two usually show perceptible growth in their ability to represent form, space, and color. Their pictures demonstrate a growing interest in realism as well as storytelling qualities. Their increasing interest span and marked awareness of the environment should be used by the teacher to promote maximum growth.

MATERIALS
- Uses a variety of art materials
  - Tempera paint
  - Colored chalk
  - Paper
  - Nature materials
  - Clay
  - Crayons
  - Starch
  - Sand
  - Vermiculite, plaster of Paris
  - Other materials, such as wood, beads, yarn, string, wire, cloth, and buttons

EXPERIENCES
- Manipulates materials with greater understanding of their inherent characteristics
- Expresses ideas based on personal and expanding interests
- Understands that art has specific elements: line, form, color, texture, value
- Grows in the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Learns about artists and their work

APPRECIATIONS
- Grows in awareness of art qualities in his environment
- Exercises judgment in selecting and using visual materials
- Grows in appreciation of the art expressions of other pupils as well as of adult artists
- Grows in appreciation of the art of the past as well as that of his own time

PRACTICAL ARTS

TOOLS AND MATERIALS

- Grows in ability to use tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK

- Becomes aware of the importance of conserving time and materials
- Continues to develop standards of working and sharing tools and materials with other pupils

EXPERIENCES

- Plans individual projects alone and with other pupils

UNDERSTANDINGS

- Develops an appreciation of the creative expressions of others
- Develops an understanding of the importance of specialized workers in our community

SPANISH

LEARNING ACTIVITIES

- Learns Spanish phrases pertaining to
  - Farm animals
  - Fruits
  - Vegetables
  - Other foods
  - Numbers one through ten
  - The market—buying and selling
  - The weather
- Uses descriptive words meaningfully
  - Large
  - Small
  - Good
  - Bad
- Asks and answers questions about animals
- Uses pictures of animals to convey and reinforce meanings
- Describes foods
- Participates in action games
- Uses illustrations of foods to convey and reinforce meanings
- Learns related songs

HEALTH

CLEANLINESS AND GROOMING
- Takes care of hair, hands, and nails
- Takes pride in being neat and clean

POSTURE
- Sits correct distance from table

DENTAL HEALTH
- Brushes teeth regularly, correctly
- Values primary and permanent teeth
- Understands importance of milk

CARE OF EYES, EARS, AND NOSE
- Protects eyes, ears, and nose
- Knows correct light and posture for reading and television viewing
- Prepares for audiometer test

REST AND SLEEP
- Relaxes after stimulating activity
- Has adequate sleep (11 hours)

FOODS AND NUTRITION
- Learns importance of vegetables, fruits, protein, milk, butter or margarine, breads
- Avoids tea, coffee, and cola drinks
- Develops regular elimination habits

PREVENTION AND CONTROL OF DISEASE
- Covers coughs and sneezes
- Is clean when handling foods and water
- Cooperates in controlling colds
- Is cautious of strange substances
- Helps with ventilation of classroom

EMOTIONAL AND SOCIAL HEALTH
- Accepts children and adults with handicaps
- Develops and maintains friendships
- Adjusts to unfortunate happenings
- Contributes to constructive emotional climate
- Finds satisfactions from acceptable work habits

GROWTH AND DEVELOPMENT
- Chooses nutritious foods
- Enjoys outdoor activities

COMMUNITY HEALTH
- Helps keep school buildings and grounds clean
- Learns about food protection

PHYSICAL EDUCATION

PHYSICAL SKILLS
- Engages in game activities involving greater skills
- Participates in rhythmic activities of greater complexity
- Participates in rhythmic activities with a partner
- Has mastered all fundamental rhythms, both locomotor and axial
- Engages in small-group play
- Plays simple team games
- Develops jumping skills for games and rope jumping
- Learns controlled use of various balls
    - Kick for accuracy
    - Throw with shoulder throw
    - Bat ball with hand
    - Serve ball from bounce
    - Throw ball straight up in air
- Develops skill and endurance on apparatus
- Practices basic skills individually
- Develops further skills as ability warrants
- Participates in planned fitness activities with the group
- Engages in fitness activities individually

ATTITUDES
- Develops respect for the rights of others
- Develops further interest in perfecting acquired skills
- Develops interest in helping less skilled classmates
- Enjoys performing vigorous activities to promote well being and good health

UNDERSTANDINGS
- Develops an understanding of his relationship and responsibility to a group
- Realizes that a game is more fun when the players can play it well
- Understands why there are rules for games
- Understands some of the basic benefits of vigorous exercise and physical fitness

GRADE TWO

SAFETY

AS A PEDESTRIAN
- Crosses streets at controlled intersections or at marked crosswalks
- Crosses with a new green light or during safe gaps in traffic where there is no signal

TO AND FROM SCHOOL
- Respects private property
- Refrains from throwing objects

ON THE PLAYGROUND
- Refrains from lifting or carrying other pupils

IN BUILDINGS AND CLASSROOMS
- Walks in center of halls and passes to the right
- Opens and closes doors with caution
- Uses hand tools and supplies carefully

DURING EMERGENCY DRILLS
- Observes proper conduct during emergency drills

IN FIRE PREVENTION
- Learns safeguards relating to home appliances

AT HOME
- Safeguards pets
- Handles hot liquids cautiously
- Reports hazards to parents
- Exercises caution in the use of home appliances

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT
- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS
- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with other pupils
- Listens and responds promptly and willingly

CITIZENSHIP
- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE THREE

SOCIAL STUDIES

THEME: LOS ANGELES: A GROWING AND CHANGING COMMUNITY; AND CONTEMPORARY COMMUNITIES OF THE WOR

GRADE B3

THE LOS ANGELES AREA: ITS BEGINNINGS

- Prehistoric Period
    - Effects of climate on early plant and animal life
    - Reptiles and mammals of past ages
- Indian Villages
    - Locations and reasons for settlement
    - Brief study of typical Indian life

THE LOS ANGELES AREA: FOUNDING AND SETTLING LOS ANGELES

- Spanish Explorers
    - Discovery and exploration of Spanish New World
- Missions San Gabriel and San Fernando
- Settling El Pueblo
- People of Early Los Angeles

LOS ANGELES: A CHANGING COMMUNITY

- Coming of the Railroad
- Population Growth and Land Development
- Building the Harbor
- Bringing Water to the City

COMBINATION GRADE B3-A3

THE LOS ANGELES AREA: FOUNDING AND SETTLING LOS ANGELES

- Early Beginnings from Prehistoric Period to Indian Village Times
- Settling El Pueblo
- People of Early Los Angeles

LOS ANGELES: GROWING TO AN URBAN COMMUNITY

- Growth of Los Angeles
- Building a City of Business and Industry

COMMUNICATIONS BETWEEN COMMUNITIES: INDUSTRIES AND SERVICES

- Telephone
- Radio
- Television
- Newspaper

THEME: LOS ANGELES: A GROWING AND CHANGING COMMUNITY; AND CONTEMPORARY COMMUNITIES OF THE WORLD

GRADE A3

LOS ANGELES: AN URBAN COMMUNITY

- A City of Business and Industry
- Municipal Government
- Cultural, Educational, and Recreational Aspects

COMMUNICATIONS BETWEEN COMMUNITIES: INDUSTRIES AND SERVICES

- Telephone
- Radio
- Television
- Newspaper

CONTEMPORARY COMMUNITIES IN THE STATE, IN THE NATION, AND IN THE WORLD—COMPARED WITH THE LOS ANGELES URBAN COMMUNITY

- Desert Communities
- Mountain Communities
- Tropical Island Communities
- Communities in Frigid Climates

COMBINATION GRADE A3-B4

EARLY CALIFORNIA WITH AN EMPHASIS ON LOS ANGELES

- Spanish Period
- Mexican Period
- Effects of Statehood on Los Angeles

LOS ANGELES: AN URBAN COMMUNITY

- A City of Business and Industry
- Municipal Government

CONTEMPORARY COMMUNITIES IN THE STATE, IN THE NATION, AND IN THE WORLD—COMPARED WITH THE LOS ANGELES URBAN COMMUNITY

- Desert Communities
- Mountain Communities
- Tropical Island Communities
- Communities in Frigid Climates

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Begins to understand the position of the earth in relation to the sun
- Understands the functions of a magnetic compass and the purpose of a map compass, or compass rose, as direction finders
- Learns that the earth is commonly divided into four major hemispheres
- Locates places in relation to continents and bodies of water
- Uses the mileage scale on a map to find distance from one place to another
- Learns to interpret symbols on maps and globes
- Learns to compare maps and make inferences from them

ECONOMIC GEOGRAPHY

- Learns that barter has been replaced as a method of transacting business by the use of money in the market
- Learns that some necessities are provided for by the payment of taxes
- Learns that money is regulated and minted by the government
- Observes that some services are purchased from public utilities
- Becomes familiar with the concept of complex division of labor and its part in industry
- Begins to understand the free enterprise system of our nation

PHYSICAL GEOGRAPHY

- Learns about the topography of the Los Angeles area and of various contemporary communities in the world
- Increases understandings of the vocabulary of geography
- Learns about the climate patterns in Los Angeles and compares them with those of climates in other contemporary communities
- Develops skills in the use of some of the tools of the geographer
- Understands the nature of the natural resources of the Los Angeles area and relates them to the growth of the community
- Discovers similarities and differences in the natural resources of contemporary communities in our nation and in the world
- Becomes aware of the scarcity of water in the Los Angeles area

CULTURAL GEOGRAPHY

- Understands how people in the Los Angeles area and in other communities in the world have modified and adjusted to their environment
- Learns the patterns of population concentration in the Los Angeles area
- Appreciates the many ways in which the people of our city live and work
- Understands the communications and transportation systems which serve the area
- Recognizes the importance of industry to the prosperity of Los Angeles
- Learns the effect of weather and landforms upon the ways in which people earn a living and spend their leisure time
- Learns how people live in an urbanized society
- Compares the ways of living and working in Los Angeles to those in other contemporary communities

HISTORY

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Develops increased appreciation of days of historical significance as previously taught and increases understanding to include:
  - Flag Day
  - Anniversary of founding of Los Angeles
  - Memorial Day
  - Public Schools Week
- Learns about some of the leaders involved in the founding and development of our city
- Gains an understanding of some of the cultural contributions of the pioneer peoples of Los Angeles through a study of their ways of living and working
- Appreciates the importance of events in the founding and growth of Los Angeles
- Learns about and visits places of historic interest in the Los Angeles area
- Becomes aware of the nature of prehistoric life in the area which became Los Angeles
- Contrasts conditions in our city today with those during other phases of the area's growth and development
- Learns how people of other times lived in other parts of the world
- Recognizes some of the steps in the growth of industry and urbanization of Los Angeles and compares them with those of other areas of the world

CURRENT AFFAIRS

- Appreciates the rapid, continuing, and recent growth of the Los Angeles area
- Keeps informed regarding current happenings in our city, state, country, and world
- Learns the names of various community officials
- Understands the continuing growth of the population in other parts of the world

CIVICS

RESPECT FOR AMERICAN IDEALS

- Knows and correctly gives the Pledge to the Flag
- Learns proper care and respect for our flag
- Sings the National Anthem and understands the meaning of the words
- Learns of some of the dramatic events in the history of the state and national flags
- Appreciates how democratic principles work on the school level
- Understands the freedom to choose a job
- Appreciates the benefits of education for all people
- Begins to understand the functions and methods of elections

GOVERNMENT

- Learns about some of the functions of various branches of the city government
- Becomes aware of the elected officials on the municipal level
- Contrasts our government with governments of other communities
- Learns the meanings of various parts of the city seal
- Learns about and visits various buildings in the Civic Center
- Understands the meaning of our city's name

RESPONSIBILITIES OF CITIZENS

- Maintains and displays a respect for the authority of parents, teachers, and law enforcement officers
- Keeps informed regarding important events in school and local government
- Appreciates the beauty of our city; develops pride in its past achievements; becomes assured of its continued greatness; and recognizes the responsibilities of all citizens
- Understands how the freedom to learn and to discuss has made our country great
- Respects the rights and privileges of all minority groups
- Understands the contributions made by peoples of various races and cultures to our city and nation

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to acquire information, to follow directions, and to enjoy aesthetic experiences

Conversing, Discussing, Reporting
- Converses during informal activities, group work, and dramatic activities
- Develops standards for talking on the telephone
- Develops discussion techniques through planning class standards, class trips, and daily activities
- Makes reports in own words about trips, class projects, and individually acquired information

Creative Activities
- Participates in dramatic activities, storytelling, and choral speaking

Social Courtesies
- Expresses greetings courteously
- Makes courteous introductions

ORAL ENGLISH SKILLS

Listening
- Listens for main ideas and one or two subordinate ideas
- Listens receptively to contributions of others

Speaking
- Pronounces correctly and enunciates clearly
- Uses vocal inflections

Sentences
- Distinguishes between complete and fragmentary sentences
- Uses with understanding the three types of sentences: statement, question, and command

Organizing
- Tells the events of a story in sequence

Vocabulary Usage
- Uses words learned by reading or through first-hand experiences
- Gains in ability to express thoughts and ideas in sentences which are grammatically correct

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes labels, captions, and signs
- Prepares simple, factual reports

Letter Writing
- Writes individual and group letters
- Begins to use accepted forms for letter writing

Creative Writing
- Writes short stories and/or poetry
- Describes ideas and experiences

Recording
- Makes lists of materials needed
- Keeps diaries of personal events

Reference Activities
- Uses dictionary and wordbook
- Uses table of contents and index
- Begins to develop skills of compiling a bibliography

WRITTEN ENGLISH SKILLS

Sentences and Paragraphs
- Grows in ability to write a sentence expressing a single idea
- Writes complete sentences
- Writes a series of sentences related to one idea

Capital Letters and Punctuation
- Uses capitals correctly: names of persons; names of streets, cities, and states; titles; poetry
- Uses apostrophe to show contraction or possession
- Places period after abbreviations and initials

Abbreviations
- Uses correct abbreviations, such as days, months

Alphabetizing and Dictionary
- Uses wordbook, dictionary; observes accent marks

Organizing
- Arranges questions under main topics

Parts of Speech
- Begins to understand parts of speech

ENGLISH

SPELLING

WORD STUDY

Configuration

- Develops a clear image of the written or printed word

Phonetic Analysis

- Hears the correct sound of the word
- Recognizes single consonant sounds
- Recognizes long and short vowel sounds
- Recognizes consonant blends

Structural Analysis

- Forms plurals by adding **s**, **es**, **ies**
- Adds endings, using **s**, **ed**, **ing**, **er**, **est**, **y**, **ly**, **d**
- Learns to spell abbreviations and contractions

Dictionary

- Checks and compares spelling with dictionary

Capitalization

- Uses capital letters as needed in spelling work

Punctuation

- Uses proper marks of punctuation as needed in spelling work

HABITS OF STUDY

- Spells correctly as a form of courtesy
- Develops pride in spelling correctly
- Recognizes incorrectly spelled words
- Writes legibly in spelling work
- Learns a method for independent word study
- Checks all written work for correct spelling
- Has misspelled words spelled correctly and entered in wordbook for future use

WRITTEN ENGLISH EXPERIENCES

- Uses spelling words in varied and meaningful written language experiences
  - Informational writing
  - Letter writing
  - Creative writing
  - Recording
  - Reference activities
  - Proofreading

HANDWRITING

HANDWRITING SKILLS

- Continues use of skills of manuscript writing
- Builds a background for cursive writing
  - Reads cursive handwriting before using it
  - Recognizes the relationship of manuscript handwriting to cursive handwriting
  - Joins manuscript letters
  - Connects manuscript letters without raising pencil
- Learns skills of cursive handwriting
  - Uses correct cursive letter and numeral forms
  - Writes cursive letters with a uniform slant
  - Observes uniform height of capital and tall letters, except **d** and **t**
  - Keeps letters and words on base line
  - Observes proper spacing between letters and words
  - Observes correct margins

HANDWRITING MATERIALS

- Uses materials suited to the purpose of the handwriting experience and to the level of maturity

HABITS OF STUDY

- Uses correct handwriting posture
- Uses correct position of paper and pencil
- Develops pride in written work
- Compares cursive and manuscript handwriting to models and evaluates them
- Improves through individual practice
- Uses best handwriting skills in all written work

HANDWRITING EXPERIENCES

- Practices manuscript writing in appropriate activities
- Uses manuscript handwriting in all written work while gaining in the ability to use the cursive form
- Uses cursive form in written work as able

COMPREHENSION SKILLS

- Associates characters in story with own life
- Evaluates emotional reactions of characters
- Senses mood of story
- Verifies opinion through re-reading

WORD PERCEPTION SKILLS

Contextual clues

- Uses pictures to gain added meaning

Configuration clues

- Apprehends known words rapidly and accurately

Phonetic analysis

- Develops awareness of muted vowels
- Recognizes multiple sounds of long *a*, as *ei*, *ai*, *ay*, and *ey*
- Learns that *au*, *aw*, and *al* may have rounded *o* sound
- Learns principle of silent *e* in *le* endings

Structural analysis

- Learns suffixes *er* and *est* in comparisons
- Develops generalizations about comparative and superlative forms of adjectives
- Recognizes *er* may show action
- Discriminates between possessives and contractions

VOCABULARY DEVELOPMENT

- Continues growth in knowledge of prefixes and suffixes
- Develops ability to use affixes showing comparison
- Enhances skill in using pronouns, adjectives, and adverbs

REFERENCE SKILLS

- Skims to locate specific details
- Uses globes, maps, and charts to obtain information
- Learns such dictionary skills as estimating, using guide words, and interpreting accent marks

ORGANIZATIONAL SKILLS

- Uses main topic in paragraph in outlining
- Arranges events in topical outline

INFORMATIONAL AND RECREATIONAL READING

- Reads in various subject-matter areas
- Selects material for specific purpose with discrimination
- Reads in pursuit of individual interests

SCIENCE

LIVING THINGS

Animal and Plant Diversity

- Learns that there are many animal and plant groups
- Understands that living things have many structural forms and have changed through the ages

Growth and Development

- Understands how living things have varying basic needs and experience different stages of growth
- Observes how living things take in oxygen, move, locate food, and protect themselves
- Experiments to determine how each part of a plant serves a purpose in the plant's growth
- Performs experiments to learn about plant reproduction
- Understands how seeds are dispersed in many ways

Structures and Functions

- Learns how parts of our bodies serve important purposes
- Understands how our bodies need certain minerals for growth and proper functioning

Interrelationships of Plants and Animals

- Understands that a community is balanced when all conditions help living things survive and reproduce
- Learns how changing conditions can upset the balance of a community
- Understands how plants and animals are useful to each other and to man
- Investigates how all food comes directly or indirectly from green plants

MATTER AND ENERGY

Nature of Matter and Energy

- Investigates the three states of matter: solid, liquid, and gas
- Learns of the various forms of energy and its uses

Physical and Chemical Change

- Discovers that materials may change form in a chemical reaction
- Discovers that materials can expand and contract
- Understands how heat changes food in many ways
- Investigates how living things are continually changing

Electrical and Magnetic Energy

- Experiments with uses of magnets; learns about their fields of force and about polarity
- Develops knowledge of relationships between magnetism and electricity by experimenting with electrical currents, conductors, and electromagnetism
- Investigates different sources and uses of electricity

Light and Heat Energy

- Understands light and heat as forms of energy
- Learns that some things produce their own heat and light; others are seen by reflected light
- Discovers that light travels in a straight line and may be broken up into its constituent colors

Sound Energy

- Understands that sound is a form of energy
- Discovers that sound vibrations can travel through air, liquid, and solids and in all directions
- Learns that the human ear receives a limited sound range

EARTH

Structure and Changes

- Analyzes and relates soil and the formation of rocks to the earth's structure
- Understands how natural forces are continually changing the earth's structure
- Investigates the relative size, shape, and age of the earth

Oceanography

- Discovers that the ocean is a place of change
- Understands that living things in the ocean are dependent upon each other
- Learns that there is more water than land area on the earth
- Explores the seashore for living and non-living things

THE UNIVERSE

Earth-Moon-Sun Relationships

- Understands that the earth revolves around the sun as it rotates on its axis
- Learns that the moon shines by reflected light; the stars shine with their own light energy
- Understands that the sun is the nearest star to earth
- Observes that the pattern of the sky changes
- Learns about the many instruments that are used to study the universe
- Understands the importance of the sun's energy to living things on earth

MATHEMATICS

GRADE B3

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Counts to one thousand and beyond
- Understands, reads, and writes numerals to one thousand and beyond
    - Understands place value to thousand's place
- Understands different meanings of zero
    - Uses zero as identity element
    - Uses zero to indicate the empty set
    - Uses zero as a cardinal number
    - Understands use in place-value position
- Develops understandings of rational numbers
    - Understands use to show parts of a whole unit
    - Begins to find equivalent fractions
- Begins to read and write Roman numerals to XII and beyond

FUNDAMENTAL OPERATIONS

Addition

- Applies commutative and associative principles
- Masters the basic addition facts
- Adds three-digit numerals with regrouping
    - Uses expanded notation to clarify process
- Continues use of mathematical sentences
- Learns process to check addition
- Uses the vocabulary of addition: sum, addend

Subtraction

- Uses understanding of inverse relationship to addition to check subtraction problems
    - Uses number line to clarify this process
- Uses subtraction facts from zero through nineteen
    - Uses these facts in subtraction with regrouping (carrying)
    - Uses zero in problems involving subtraction
    - Uses expanded notation to show regrouping
- Uses vocabulary related to subtraction: minus, subtract, difference, borrow, regroup

Multiplication

- Develops process through use of sets
    - Emphasizes use of commutative principle
    - Understands multiplicative property of zero
    - Understands one as identity element
- Learns multiplication combinations through five times five
- Uses horizontal and vertical notation
- Uses vocabulary related to multiplication, such as product, factors, repeated addition

Division

- Develops set interpretation of division
    - Understands division as inverse of multiplication
    - Understands one as identity element
    - Sees process as repeated subtraction of equivalent sets
- Works division problems based on known multiplication facts through five times five
    - Writes mathematical sentences for process
    - Uses symbol ⟌ for use in vertical notation
    - Uses subtractive method of division
    - Uses number line to clarify problem
- Continues use of correct vocabulary, such as divide, missing factor, quotient

MEASUREMENT

- Understands and uses standard and non-standard units of measure
    - Calendar and Time: Reads a calendar and tells time
    - Linear measure: Develops use of quarter inch
    - Liquid measure: Changes from one unit to another
    - Graphs, charts, maps: Interprets facts recorded in these forms

GEOMETRY

- Continues forming figures with straight lines
- Develops recognition of plane and solid figures

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Visualizes, dramatizes, and solves problems in a step-by-step procedure
- Writes mathematical sentences related to problems
- Writes stories to clarify mathematical sentences
- Begins to estimate answers before solving problems

MATHEMATICS

GRADE A3

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Develops reading and writing numerals
  Uses numerals to express money values
- Develops meaning of place value to thousand's place and beyond
  Learns to "round off" numbers to a place-value
- Begins to see rational numbers as a number system
  Learns the fractional numbers one-sixth and one-eighth
  Continues to compare different fractional parts
- Reads and writes Roman numerals through XXX
- Begins to compare Roman and decimal numeration

FUNDAMENTAL OPERATIONS

Addition

- Uses basic addition facts to add numbers with as many as seven digits, with and without regrouping
- Introduces addition of dollars and cents
- Adds fractional numbers with like denominators with sums less than one
- Continues use of correct vocabulary for addition, such as sum, addends

Subtraction

- Subtracts larger numbers with and without regrouping
- Emphasizes place-value meaning of numerals
- Introduces subtracting dollars and cents
- Continues use of correct vocabulary for subtraction, such as minuend, difference, missing addend

Multiplication

- Continues set interpretation of multiplication
- Begins to learn the distributive nature of multiplication
- Uses array to clarify the distributive property
- Begins to understand that multiplication is associative
- Understands use of one and zero in multiplication
- Learns multiplication facts through nine times nine
- Multiplies two-digit and three-digit factors by a one-digit factor
- Begins to estimate answers in multiplication
- Uses both horizontal and vertical notation
- Continues to use correct vocabulary for multiplication, such as product, factor

Division

- Understands division as set separation
  Sees division as inverse of multiplication
  Understands impossibility of division by zero
- Works problems with combinations through nine times nine
  Uses vertical notation and subtractive method
  Writes related multiplication sentences
  Introduces the division algorism
- Uses correct vocabulary for division, such as quotient, missing factor, dividend

MEASUREMENT

- Uses standard and non-standard units of measure
  Calendar and Time: Learns number of days in year and works time problems
  Temperature: Understands freezing point
  Linear measure: Learns about a mile
  Weight: Uses pounds and ounces
  Money: Uses symbols to denote money value
  Graphs, charts, maps: Reads to solve problems and to complete tables
- Uses fractional parts of units of measure

GEOMETRY

- Learns geometric definition of point, line, and line segment
- Increases knowledge about plane and solid figures
- Increases vocabulary: circumference, radii

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Develops ability to follow sequence in story problems
- Uses addition and subtraction to solve problems
- Develops use of multiplication and division in story problems
- Checks answers and estimates answers to problems

MUSIC

LISTENING ACTIVITIES

- Grows in the enjoyment and appreciation of music as an expression of beauty
- Grows in understanding the musical content and descriptive implications of numerous compositions
- Becomes familiar with a broadening range of music literature
- Listens with greater refinement and attention to musical details

SINGING ACTIVITIES

- Develops a repertoire of songs of lasting worth that will always remain important in his life
- Grows in the ability to sing expressively, accurately, and with beauty of tone

RHYTHMIC ACTIVITIES

- Responds to music with increasingly appropriate bodily movement
- Becomes more aware of rhythm patterns by using rhythmic notation while playing rhythm instruments

INSTRUMENTAL ACTIVITIES

- Uses rhythm and tonal instruments with increasing discrimination and skill
- Becomes aware of orchestral instruments by sound and sight and, in some cases, begins the study of an instrument

MUSIC READING ACTIVITIES

- Grows in the ability to understand and use the symbols of music notation
- Becomes increasingly aware, both aurally and visually, of like and unlike phrases and of tonal and rhythmic patterns within them

CREATIVE ACTIVITIES

- Discovers new relationships between music and the notational symbols for it
- Creates instrumental introductions, accompaniments, and codas for songs
- Develops original dramatizations
- Develops original melodies

ART

OVERVIEW

- The visual world of children expands rapidly. Color and spatial relationships begin to take form, and children develop a conscious regard for realism and detail. Skillful guidance will keep imagination and creativity alive and at the same time meet the needs for development of skills. Art activities of a similar type should be planned in sequence to assure opportunities for growth.

MATERIALS

- Uses a variety of materials
  - Tempera paint
  - Colored chalk
  - Clay
  - Paper
  - Water colors
  - Crayons
  - Charcoal
  - Starch
  - Nature materials
  - Vermiculite, plaster of Paris
  - Other materials, such as wood, wire, cloth, yarn, string, buttons, beads, and reed for two- and three-dimensional projects

EXPERIENCES

- Manipulates materials discovering possibilities and limitations
- Expresses ideas based on real and vicarious experiences
- Understands that art has specific elements: line, form, color, texture, value; recognizes specific principles: dominance, subordination, proportion, balance, opposition, transition, rhythm, repetition
- Grows in the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Learns about artists and their work
- Learns about the arts and cultures of other countries

APPRECIATIONS

- Shows an interest in art qualities in the environment
- Exercises judgment in selecting and using visual materials
- Grows in understanding and appreciation of the art expressions of other pupils as well as adult artists

PRACTICAL ARTS

TOOLS AND MATERIALS
- Grows in ability to use tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK
- Continues to develop standards of working and sharing tools and materials with other pupils
- Becomes critical of his own efforts

EXPERIENCES
- Discovers applications of other learnings to practical arts activities
- Plans individual projects alone
- Observes the industrial nature of things and places

UNDERSTANDINGS
- Develops an understanding of man's use of skill and resources
- Begins to understand the contributions which industry makes to everyday life

SPANISH

LEARNING ACTIVITIES
- Learns Spanish phrases pertaining to
  - The classroom
  - Classroom directions
  - Objects in the classroom
  - The school
  - Numbers ten to fifteen
  - Explorers
  - Missions
  - Early Los Angeles
- Uses illustrations to convey and reinforce meanings
- Asks and answers simple questions
- Provides and follows directions
- Participates in number games
- Participates in dramatizations of scenes concerning early Los Angeles
- Sings related songs

HEALTH

CLEANLINESS AND GROOMING
- Assumes responsibility for personal cleanliness
- Observes bathing routines

POSTURE
- Sits, stands, and walks correctly
- Uses correct posture for viewing television

DENTAL HEALTH
- Brushes teeth or takes a drink of water after eating
- Learns about "detergent" foods
- Avoids sweets and carbonated drinks
- Visits dentist regularly

CARE OF EYES, EARS, AND NOSE
- Protects eyes, ears, and nose while at play
- Works and plays in adequate light

REST AND SLEEP
- Has sufficient sleep (11 hours)
- Alternates active and quiet work and play

FOODS AND NUTRITION
- Selects snacks wisely
- Learns about the basic food groups
- Eats a variety of foods
- Eats in a relaxed atmosphere
- Has regular elimination habits

PREVENTION AND CONTROL OF DISEASE
- Studies relation of cleanliness to disease control
- Understands importance of immunization
- Recognizes early symptoms of illness

EMOTIONAL AND SOCIAL HEALTH
- Works harmoniously with others
- Learns about effects of emotions on physical well-being
- Tries to face difficulties honestly
- Differentiates humor from teasing
- Takes responsibility for own actions
- Establishes effective study habits

GROWTH AND DEVELOPMENT
- Learns relationships of food, rest, and outdoor activities to growth

COMMUNITY HEALTH
- Learns about community helpers for inspection, sanitation, immunization
- Takes responsibility for care of pets

PHYSICAL EDUCATION

NOON AND RECESS UNIT
- Skills: Related to games for recreational periods
- Major Game: Fist Ball

PHYSICAL FITNESS UNIT
- Skills: Planned to meet physical fitness needs
- Major Activities: Apparatus activities, rope jumping, conditioning exercises, stunts

SOCCER UNIT
- Skills: To kick, trap, block, dribble
- Major Game: Zone Soccer

BASKETBALL UNIT
- Skills: To catch, pass, shoot, dribble, pivot
- Major Game: Zone Basketball

MULTIPLE COURT GAMES
- Skills: Pertaining to games on this court
- Major Games: Progressive Dodgeball

TRACK UNIT
- Skills: To run, throw, jump, kick, start a race
- Major Activities: Track Meet, Relay Playday

SOFTBALL UNIT
- Skills: To throw, pitch, catch, bat a softball
- Major Game: Long Ball

VOLLEYBALL UNIT
- Skills: Underhand serve, volleyball return
- Major Game: Diamond Handball

FOOTBALL UNIT
- Skills: To pass, catch, kick an oval ball
- Major Game: Field Ball

HANDBALL UNIT
- Skills: To serve, return, using handball court wall
- Major Game: Diamond Handball

PADDLE TENNIS UNIT
- Skills: To serve, return (lead-up to tennis)
- Major Game: Ring Tennis

INCLEMENT WEATHER ACTIVITIES
- Active and quiet games for indoor use

RHYTHMS
- Experiences: Fundamental, interpretive, and dramatic rhythms, folk and contemporary dances
- Basic and supplementary dances

SAFETY

AS A PEDESTRIAN
- Reads and observes road and traffic signs

TO AND FROM SCHOOL
- Observes bicycle safety rules and other vehicle laws
- Practices promptness
- Maintains desirable standards of conduct on bus

ON THE PLAYGROUND
- Recognizes the hazards of balls in play areas
- Exercises caution going to and from game areas

IN THE BUILDING AND CLASSROOMS
- Exercises caution using stairways and steps
- Cooperates during emergency drills
- Follows correct procedures in case of fire
- Refrains from propelling missiles

DURING EMERGENCY DRILLS
- Cooperates with authority

IN FIRE PREVENTION
- Learns what to do in case of fire

AT HOME
- Learns the correct procedure to be used in telephoning the Police and Fire Departments
- Takes proper precautions to prevent asphyxiation

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT
- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS
- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with others
- Listens and responds promptly and willingly
- Performs everyday tasks punctually

CITIZENSHIP
- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE FOUR

SOCIAL STUDIES

THEME: CALIFORNIA: ITS RELATIONSHIP TO THE WESTERN STATES, THE NATION, AND THE WORLD

GRADE B4

EARLY CALIFORNIA: PERIODS IN ITS DEVELOPMENT

- Indian Period
- Spanish Period
  - Explorers
  - Missions, Presidios, and Pueblos
- Mexican Period
  - Ranchos
- American Period
  - Trappers and Traders
  - Gold Rush

GROWTH OF CALIFORNIA

- Statehood and the Constitution
- Problems of California as a New State

COMBINATION GRADE B4-A4

EARLY CALIFORNIA: EXPLORATION TO STATEHOOD

- Indian Period
- Spanish Period
- Mexican Period
- American Period
- Statehood and the Constitution
- Problems of California as a New State

CALIFORNIA TODAY AS PART OF THE FAR WEST

- Natural Resources, Agriculture, and Industry
- Water and Power
- Transportation and Trade

GRADE A4

CALIFORNIA TODAY
- Agriculture in California
- Industry in California

CALIFORNIA AND THE WESTERN STATES
- Natural Resources and Industrial Production
- Water and Power
- Agriculture
- Transportation and Trade

CONTEMPORARY JAPANESE OR AFRICAN CULTURE, SUCH AS NIGERIA'S, COMPARED WITH THAT OF CALIFORNIA TODAY

COMBINATION GRADE A4-B5

CALIFORNIA AND THE WESTERN STATES
- Natural Resources and Industrial Production
- Agriculture

THE UNITED STATES: ITS BEGINNINGS AND EARLY EXPANSION
- Origins and Settlement of the United States
- Establishing a New Nation—Independence
- Expansion to the Mississippi

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Begins to understand the concepts of the earth's rotation on its axis and the earth's revolution around the sun
- Begins to understand the meaning of parallels and meridians
- Locates continents and notes relationships
- Begins to learn that mileage scales are expressed in different ways on different maps
- Begins to understand the use of the International Color Scheme on relief maps
- Identifies areas of low, middle, and high elevations on various kinds of maps

ECONOMIC GEOGRAPHY

- Understands how communication with other areas and people aids in the development of an area
- Becomes aware of the role of transportation in the development of an area
- Recognizes that people obtain goods through trade that they cannot produce themselves
- Learns that the common needs of people can be met through the use of tax funds
- Considers the forms of division of labor used now and in the past
- Determines that the discovery of plentiful resources causes migration of people to new areas
- Recognizes the interdependence of modern industries

PHYSICAL GEOGRAPHY

- Relates the topography and climate of California to the ways in which the early peoples lived
- Understands the ways in which early settlers utilized natural resources
- Develops skill in the use of the tools of the geographer
- Learns how industry and agriculture affect the ways in which people live and work
- Compares the natural resources of California with those of other western states and other parts of the world
- Increases his vocabulary of geography
- Compares the topography and climate of California with those of other western states and the world

CULTURAL GEOGRAPHY

- Learns how man utilizes his natural resources to develop industry, increase trade, and improve his ways of living
- Recognizes the recent rapid growth of population in California and compares it to growth in other areas
- Appreciates the many kinds of work, workers, and skills necessary to the continued growth of California
- Learns about transportation and communication methods in California and their role in its growth

SOCIAL STUDIES

HISTORY

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Increases appreciation of days of historical importance to include: Admission Day, Arbor Day, Veterans' Day, Columbus Day
- Learns about the first people in California—the Indians
- Appreciates the heroism of the early explorers
- Develops understandings about the missionaries
- Learns about the people connected with the settlement of California
- Recognizes the contributions of the trappers, traders, and settlers
- Gains a general idea of the cultural contributions of the pioneer people of California through a study of their art, clothing, food, education, health, occupations, recreation, religion, shelter, and transportation
- Appreciates some of the dramatic episodes of California history, such as exploration and discovery, the era of primitive cultures, establishing El Camino Real, the days of El Rancho, the rush for gold, establishing a state, solving problems facing a new state
- Learns about the factors in the growth of California
- Discovers places of historical interest near home and school
- Learns about places of historical interest in California, such as missions, presidios, "Mother Lode Country," cities and towns of historical importance, and other historical landmarks
- Contrasts California today with California during other phases of its development with respect to population, industrial development, and governmental organization

CURRENT AFFAIRS

- Appreciates the rapid, recent, and continuing growth of California and the West
- Keeps informed regarding current happenings in our city, state, country, and world
- Presents reports of current events in accordance with established standards
- Becomes acquainted with the contributions of present-day leaders of scientific and cultural activities
- Learns the names of the leading officials of our city, state, and country

CIVICS

RESPECT FOR AMERICAN IDEALS

- Knows, understands, and gives the Pledge to the Flag correctly
- Knows and exercises proper care for the flag
- Learns about the history of various flags used in California, including the Bear Flag and the State Flag
- Learns and gives the American's Creed
- Sings the National Anthem and understands the words and their meaning

GOVERNMENT

- Increases understandings regarding local government
- Learns about some of the branches of the state and federal governments which serve the public
- Compares our state government with those of the other western states
- Compares the functions and organization of the state government with that of another country
- Recognizes the state capital of California and those of some of the other western states
- Learns about state symbols

RESPONSIBILITIES OF CITIZENS

- Maintains respect for experience and authority of parents, teachers, service monitors, and law enforcement officers
- Keeps informed about important matters connected with school, local, and state government
- Appreciates the beauty and majesty of California's natural wonders; develops a pride in past achievements; becomes aware of future greatness; and recognizes the responsibilities of all citizens toward keeping California a beautiful and prosperous state

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to acquire information, to follow directions, and to enjoy aesthetic experiences
- Listens to clarify meanings

Conversing, Discussing, Reporting
- Converses during informal activities, group work, dramatic activities, and on the telephone
- Plans and evaluates committee work and daily classroom activities
- Makes individual reports

Creative Activities
- Engages in dramatic activities, storytelling, and choral speaking

Social Courtesies
- Makes introductions, announcements, explanations, and oral invitations

ORAL ENGLISH SKILLS

Listening
- Listens to remember steps in directions
- Listens actively and feels responsibility to contribute

Speaking
- Uses dictionary as an aid to pronunciation and understanding meanings

Sentences
- Uses sentences that convey feeling and interest
- Uses the same tense in any one sentence
- Varies construction of sentences

Organizing
- Organizes and outlines main ideas in logical order for reports or talks

Vocabulary Usage
- Uses a dictionary to find word meanings
- Uses words with similar and opposite meanings
- Uses new words in reports and discussions
- Gains in ability to use words correctly in oral expression
- Uses words unique to an area of study

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes factual reports
- Contributes to summaries

Letter Writing
- Writes individual and group letters
- Writes business and social letters

Creative Writing
- Writes stories and poetry

Recording
- Writes lists of books read
- Records facts

Reference Activities
- Uses many books on the same topic

WRITTEN ENGLISH SKILLS

Sentences and Paragraphs
- Varies sentence beginnings
- Understands the four types of sentences
- Writes related paragraphs

Capital Letters and Punctuation
- Uses capitals correctly
- Uses hyphen in break of word at end of line
- Uses colon in business letter
- Uses quotation marks and exclamation point

Abbreviations
- Learns correct abbreviations for street, road, avenue, and names of states as needed

Alphabetizing and Dictionary
- Uses the alphabet in dictionary and other references
- Uses a dictionary and glossary for reference

Organizing
- Learns to make a simple outline of two or three main headings

Parts of Speech
- Develops understandings about parts of speech

ENGLISH

SPELLING

WORD STUDY

Configuration

- Develops a clear image of the written or printed word

Phonetic Analysis

- Hears the correct sound of the word
- Recognizes sound units of spelling words
- Recognizes silent consonants
- Recognizes vowel sounds

Structural Analysis

- Divides words into syllables
- Finds root words
- Drops letters and adds endings
- Doubles letters and adds endings

Dictionary

- Checks and compares spelling of words with that of words in dictionary

Capitalization

- Uses capitals as needed in spelling work

Punctuation

- Uses proper marks of punctuation as needed in spelling work

HABITS OF STUDY

- Spells correctly as a form of courtesy
- Develops pride in spelling correctly
- Recognizes incorrectly spelled words
- Uses a method for independent word study
- Writes legibly in spelling work
- Checks all written work for correct spelling
- Has misspelled words spelled correctly and entered in wordbook for future use

WRITTEN ENGLISH EXPERIENCES

- Uses spelling words in varied and meaningful written experiences
  - Informational writing
  - Letter writing
  - Creative writing
  - Recording
  - Reference activities
  - Proofreading

HANDWRITING

HANDWRITING SKILLS

- Strengthens skill of manuscript handwriting
- Continues use of skills of cursive handwriting
  - Uses correct cursive letter forms and sizes
  - Writes cursive letters with a uniform slant
  - Keeps letters and words on base line
  - Observes proper spacings between letters and words
  - Observes margins

HANDWRITING MATERIALS

- Uses handwriting materials appropriate to maturity of pupil
- Uses handwriting materials suited to the purpose of the handwriting experience

HABITS OF STUDY

- Uses correct handwriting posture
- Uses correct position of paper and pencil
- Uses best handwriting skills in all written work
- Develops reasonable speed, ease, and rhythm in handwriting
- Develops pride in written work
- Compares handwriting letter forms to models and evaluates
- Compares work over a period of time and records information as to individual progress
- Improves handwriting through individual practice

HANDWRITING EXPERIENCES

- Uses and practices manuscript handwriting in
  - Charts
  - Maps
  - Signs
  - Captions
- Uses the cursive form of handwriting in written work as proficiency develops
  - Informational writing
  - Letter writing
  - Creative writing
  - Recording
  - Reference activities

READING

COMPREHENSION SKILLS

- Identifies main and subordinate ideas
- Compares story plots
- Infers character traits

WORD PERCEPTION SKILLS

Contextual clues

- Uses context clues to identify relationships

Configuration clues

- Uses previously learned skills with ease

Phonetic analysis

- Recognizes various values of *ch* and *gh*
- Learns that *ph* may have sound of *f*

Structural analysis

- Develops comprehension and use of such prefixes as *ex* and *re*
- Recognizes that blends and digraphs must be pronounced in one syllable

VOCABULARY BUILDING

- Learns less common prefixes and suffixes
- Selects synonyms which are best for particular use
- Increases skill in using figurative language
- Increases descriptive power
- Recalls words from definitions
- Discriminates among multiple meanings

REFERENCE SKILLS

- Increases independence in selection and use of reference material
- Learns to use schedules of radio and television programs
- Interprets various diacritical markings
- Interprets phonetic respellings

ORGANIZATIONAL SKILLS

- Learns to take notes
- Discriminates among data, remembering most important
- Uses outline as aid to retention

INFORMATIONAL AND RECREATIONAL READING

- Discriminates in selecting reference material
- Chooses skillfully between relevant and irrelevant
- Reads stories first viewed on television programs and in movies

SCIENCE

LIVING THINGS

Growth and Development

- Investigates how living things are adapted to various ways of living
- Learns how plants manufacture what they need for growth
- Observes how living things store food
- Observes how plants help to improve soil
- Learns that all living things grow and reproduce
- Observes that animals progress through distinct changes during growth

Structures and Functions

- Understands that cells are a basic part of living things
- Learns that cells live and grow by taking in food and passing out waste materials
- Identifies and understands functions of plant parts
- Learns about the circulatory system of the body and its functions
- Understands how the body systems are dependent upon water, food, and air (oxygen)

Interrelationships of Plants and Animals

- Observes many different kinds of communities
- Discovers that living things are adapted in various ways for living in their communities

MATTER AND ENERGY

Nature of Matter and Energy

- Learns that matter is anything that occupies space and has weight
- Learns that energy is the capacity to do work

Mechanical Energy

- Performs experiments involving various forms of mechanical energy
- Understands that machines may conserve energy
- Experiments with uses of a variety of simple machines
- Discovers how simple machines work against gravity, friction, and inertia
- Investigates the nature of friction and how it may be harmful or useful

Electrical and Magnetic Energy

- Discovers that an electrical current can produce a magnetic field
- Investigates electromagnetism and its uses
- Investigates how electrical energy can drive machines and do work
- Understands how electricity may be transmitted
- Learns about different sources of electricity

Sound Energy

- Discovers that sound energy may be transmitted through solids, liquids, or gases
- Investigates how the size of vibrating parts affects the pitch of tones which are produced
- Learns that sound vibrations can be directed or deflected
- Understands that nerves carry sound impulses to the brain

EARTH

Atmosphere and Weather

- Learns that wind, temperature, moisture, and air pressure affect weather conditions
- Understands that the conditions of the earth's atmosphere are constantly changing
- Learns that air expands and contracts, exerts pressure, and can be compressed
- Observes how water evaporates and how the process is related to the water cycle
- Recognizes that natural forces are continually changing the surface of the earth

Seasons and Climate

- Understands that seasons are caused by the earth's revolution around the sun
- Discovers that the angle of the sun's rays is related to the amount of heat energy which an area receives
- Understands that in the northern hemisphere the earth is closer to the sun during winter

THE UNIVERSE

Earth-Moon-Sun Relationships

- Understands that the earth rotates from west to east
- Learns the meanings of and uses the terms latitude and longitude
- Understands that rotation of the earth makes objects in space appear to move across the sky
- Investigates the force of gravity and its effects
- Understands that the moon completes one rotation in each orbit around the earth

Solar System

- Learns that other planets, in addition to earth, travel around the sun
- Understands that planets vary in distance from the sun
- Recognizes how the sun's gravity keeps the planets in their respective orbits

MATHEMATICS

GRADE B4

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Reads and writes whole numbers through million
- Reads and writes numerals to show money value
- Begins recognizing certain number patterns
- Redevelops meaning of place value
  Uses expanded notation
  Applies place-value meaning to money problems
  Rounds off numbers to place-value positions
- Recognizes one as identity element in multiplication and division
- Develops further use of rational numbers
  Works with decimal notation (money problems)
  Uses sets and regions to clarify numbers
- Reads and writes Roman numerals through C
  Continues comparison to decimal numeration
- Realizes that a set of numbers can be infinite

FUNDAMENTAL OPERATIONS

Addition

- Continues to practice and gain skills with basic addition facts in operation of addition
- Adds with regrouping using associative principle
- Develops skill in adding dollars and cents
- Develops the addition of like fractions
- Uses correct vocabulary for addition, such as sum, addends

Subtraction

- Continues to gain skills in subtraction process
  Uses subtraction in money problems
- Begins to develop subtraction with rational numbers
- Uses correct subtraction vocabulary, such as subtract, regroup, minus, difference

Multiplication

- Develops understanding of the use of the commutative, associative, and distributive principles
- Masters multiplication facts through nine times nine
- Multiplies two- and three-digit numerals by a one-digit numeral with and without carrying
  Checks work and estimates answers
  Writes problems in expanded notation
- Multiplies dollars and cents
- Writes related multiplication and division sentences
- Uses vertical notation
- Uses correct multiplication vocabulary, such as factor, product

Division

- Continues set interpretation of division
  Introduces use of distributive principle
- Develops skills in division
  Divides multiples of tens and hundreds by one-digit divisors
  Uses division algorism
  Begins to do problems with remainders
  Understands how to check problems
- Begins to divide money problems
- Begins to divide using denominate numbers
- Continues to develop division vocabulary such as quotient, dividend, missing factor

MEASUREMENT

- Understands units of measure including metric units of measure
  Time: Tells time to nearest minute
  Temperature: Uses and reads thermometer
  Linear measure: Understands precision
  Weight: Uses different kinds of scales
  Money: Understands use of symbols
  Dry measure: Learns about bushel and peck

GEOMETRY

- Understands meaning of point, line, segment
- Continues understanding of plane figures

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Summarizes problems into mathematical form
- Shows different ways to solve a problem
- Determines process by step-by-step analysis
- Uses inequality sentences to solve problems
- Develops skills in estimating and in checking answers
- Begins to work with problems having two answers
- Solves problems with information from tables
- Develops mastery of correct notation and vocabulary in writing number sentences

MATHEMATICS

GRADE A4

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Reads and writes numerals in millions
- Understands place value through million's place
- Develops further understanding of rational number system
  - Expresses rational numbers in lowest terms
  - Finds equivalent fractions
  - Learns correct vocabulary for rational numbers
  - Distinguishes between fraction and fractional number
- Reads and writes Roman numerals through CCC
- Distinguishes between equal and equivalent sets
- Understands difference between finite and infinite sets

FUNDAMENTAL OPERATIONS

Addition

- Increases insight into addition operation
- Relates addition and subtraction sentences
- Uses associative principle to check sums
- Adds columns of three-digit numerals with as many as four addends
- Continues to add dollars and cents
- Adds like fractions
- Uses place-value understanding to estimate sums
- Uses correct vocabulary for addition, such as sum, addends

Subtraction

- Subtracts with four-digit numerals in the minuend
  - Emphasizes place value
  - Begins to estimate answers
- Subtracts problems with dollars and cents
- Develops understanding of subtracting rational numbers through concrete manipulative materials
- Uses correct vocabulary such as minuend, subtract, minus, regroup

Multiplication

- Increases understanding of multiplication process
  - Understands role of zero in multiplication
  - Understands commutative principle
- Multiplies two-digit numeral by ten, multiples of ten, and other two-digit multipliers with and without regrouping
- Multiplies dollars and cents
- Uses vertical notation
- Uses correct vocabulary, such as product, factor

Division

- Stresses inverse relationship to multiplication
- Works more difficult division examples
  - Begins to divide with two-digit divisors
  - Uses expanded notation to clarify the division algorism
  - Learns methods to estimate correct answers
  - Checks answers to division problems
- Understands how to show remainders in money problems
- Introduces use of division to find an average
- Continues to divide denominate numbers
- Develops use of vocabulary for division, such as quotient, dividend, missing factor

MEASUREMENT

- Uses different units of measure
  - Calendar and Time: Tells time to the second
  - Temperature: Uses different scale readings
  - Linear measure: Uses meter, centimeter, and kilometer
  - Weight: Uses units of ton, gram, kilogram, and centigram
  - Liquid measure: Learns about fluid ounce
  - Money: Uses all four operations with money problems
  - Dry measure: Uses dry measure for capacity
  - Graphs, charts, maps: Reads and makes graphs

GEOMETRY

- Learns about a ray and starts to use angles
- Increases knowledge of plane and solid figures
- Applies understanding to location of points on grids and maps

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Summarizes given problem in a number sentence
- Develops skills in two-step problems
- Emphasizes estimating for reasonable answer
- Interprets and reads graphs and scale drawings to solve problems
- Uses fractional numbers in problem solving
- Works with varied units of measure
- Solves problems to find an average

MUSIC

LISTENING ACTIVITIES
- Continues to grow in the enjoyment and appreciation of music as an expression of beauty
- Becomes familiar with a broadening range of music literature
- Grows in understanding of its meaning and structure
- Develops a growing recognition of the characteristic tone quality of various orchestral instruments

SINGING ACTIVITIES
- Improves in the ability to sing expressively with beauty of tone, accuracy, and sensitivity to tempo, dynamics, and phrasing
- Becomes familiar with a variety of folk songs and songs by great composers of both the past and present

RHYTHMIC ACTIVITIES
- Grows in the ability to identify important rhythm patterns, both aurally and visually, and to respond to them with increasing appropriateness through bodily movement and the use of rhythm instruments

INSTRUMENTAL ACTIVITIES
- Uses rhythm and tonal instruments with increasing accuracy and skill to indicate like and unlike sections and phrases and to reinforce concepts of patterns
- Uses orchestral instruments to embellish and accompany singing

MUSIC READING ACTIVITIES
- Develops an increasing understanding of and ability to use musical notation, including related letter names, numbers, and/or syllables

CREATIVE ACTIVITIES
- Discovers new relationships between music and its notational symbols
- Uses patterns from songs to create introductions, accompaniments, codas, and descants

ART

OVERVIEW
- In their effort to interpret ideas, pupils show evidence of observation and visual memory that are far beyond their ability to express. Rich experiences in observation and sequence in instruction will guide pupils through this stage of critical self-evaluation and will help them to gain confidence in their ability to have ideas and to express them

MATERIALS
- Uses a variety of materials
  - Tempera paint
  - Colored chalk
  - Charcoal
  - Clay
  - Water colors
  - Crayons
  - Paper
  - Starch
  - Nature materials
  - Vermiculite, plaster of Paris
  - Printing materials
  - Other materials, such as wood, wire, yarn, string, cloth, buttons, beads, and reeds, for two- and three-dimensional projects

EXPERIENCES
- Learns the characteristics of many materials, but manipulates and experiments with new ones
- Expresses ideas based on real and vicarious experiences
- Grows in understanding and use of specific elements: line, form, color, texture, value; recognizes specific principles: dominance and subordination, proportion, balance, opposition, transition, rhythm, repetition
- Increases skill in the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Learns about artists and their work
- Learns about the arts and cultures of other countries

APPRECIATIONS
- Shows an interest in and enjoyment of art qualities in the environment
- Grows in understanding and appreciation of art expressions of other pupils as well as of adult artists
- Grows in appreciation of the art of the past as well as that of his own time

PRACTICAL ARTS

TOOLS AND MATERIALS

- Increases his ability to use a number of tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK

- Uses good practices of working and sharing tools and materials with other pupils
- Evaluates the products of his own craftsmanship
- Recognizes personal interests, abilities, and limitations as related to tool skills

EXPERIENCES

- Makes applications of other learnings to practical arts activities

UNDERSTANDINGS

- Develops an understanding of how new products affect society
- Develops an understanding of our agricultural-industrial economy

SPANISH

LEARNING ACTIVITIES

- Learns Spanish phrases pertaining to
  - Clothing
  - Numbers sixteen through twenty
  - Growing garden vegetables
  - Setting the table
  - Using dishes and silver
  - Days of the week
  - Life in early California
- Learns simple dialogues pertaining to clothing
- Participates in dramatizations
- Asks and answers questions pertaining to activities about various days of the week
- Participates in keeping weekly calendar
- Learns to sing related songs

HEALTH

CLEANLINESS AND GROOMING
- Takes responsibility for cleanliness

POSTURE
- Has pride in correct body alignment

DENTAL HEALTH
- Takes daily care of teeth and gums
- Avoids sweets and carbonated drinks
- Studies outer structure of teeth
- Understands effects of pressure habits

CARE OF EYES, EARS, AND NOSE
- Protects eyes, ears, and nose from injuries
- Reads in adequate light
- Learns desirable listening habits
- Studies the different parts of the eyes, ears, and nose

REST AND SLEEP
- Learns about signs of fatigue
- Schedules appropriate periods for viewing television
- Has adequate sleep (10 to 11 hours)

FOODS AND NUTRITION
- Learns basic food groups and their importance
- Avoids tea, coffee, cola drinks
- Has acceptable table manners
- Studies California crops and foods
- Has regular elimination habits

PREVENTION AND CONTROL OF DISEASE
- Keeps foreign objects out of mouth
- Learns about bacteria
- Is considerate of others during illness
- Is cautious about handling unfamiliar substances
- Knows advantages of periodic health check-ups

EMOTIONAL AND SOCIAL HEALTH
- Develops standards of acceptable behavior
- Learns cause and effect relationships
- Evaluates and accepts criticism
- Relaxes through creative experiences
- Learns qualities of leadership and followership
- Accepts correctional aids
- Establishes effective study habits

GROWTH AND DEVELOPMENT
- Studies individual signs of growth

COMMUNITY HEALTH
- Helps maintain a healthful environment
- Studies community health problems

PHYSICAL EDUCATION

NOON AND RECESS UNIT
- Skills: Related to games for recreational periods
- Major Game: Dodgeball

PHYSICAL FITNESS UNIT
- Skills: Planned to meet fitness needs
- Major Activities: Apparatus activities, rope jumping, conditioning exercises, stunts

SOCCER UNIT
- Skills: To kick, trap, block, dribble
- Major Game: Section Soccer

BASKETBALL UNIT
- Skills: To catch, pass, shoot, dribble, pivot
- Major Game: Section Basketball

MULTIPLE COURT GAMES
- Skills: Pertaining to games on this court
- Major Game: Soccer

TRACK UNIT
- Skills: To run, throw, jump, kick, start a race
- Major Activities: Track Meet, Relay Playday

SOFTBALL UNIT
- Skills: To throw, pitch, catch, bat a softball
- Major Game: Softball

VOLLEYBALL UNIT
- Skills: Underhand serve, volleyball return
- Major Game: One Bounce

HANDBALL UNIT
- Skills: To serve, return, using a handball court wall
- Major Game: Chinese Handball

FOOTBALL UNIT
- Skills: To pass, catch, kick an oval ball
- Major Game: Pass Ball

PADDLE TENNIS UNIT
- Skills: To serve, return
- Major Game: Paddle Handball

INCLEMENT WEATHER ACTIVITIES
- Active and quiet games for indoor use

RHYTHMS
- Experiences: Fundamental, interpretive, and dramatic rhythms; folk and contemporary dances
- Basic and supplementary dances

GRADE FOUR

SAFETY

AS A PEDESTRIAN

- Becomes aware of distances required for vehicles to stop
- Recognizes that driver visibility is restricted by "blind spots"
- Respects rights of motorists

TO AND FROM SCHOOL

- Exercises due caution when entering or leaving cars

ON THE PLAYGROUND

- Cooperates in group decisions
- Complies with interpretations of rules
- Follows directions of student leaders

IN BUILDINGS AND CLASSROOMS

- Exercises caution when opening and closing windows and transoms
- Observes safety rules and complies with directions during field trips
- Understands the purpose and significance of emergency drills
- Recognizes and corrects fire hazards

DURING EMERGENCY DRILLS

- Understands purpose and significance of drills

IN FIRE PREVENTION

- Recognizes and corrects fire hazards

AT HOME

- Cooperates with parents, recreation directors, and club leaders
- Learns and practices rules of water safety
- Recognizes hazards of explosives
- Understands the potential dangers of firearms and other weapons

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT

- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS

- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with other pupils
- Listens and responds promptly and willingly
- Performs everyday tasks punctually

CITIZENSHIP

- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE FIVE

SOCIAL STUDIES

THEME: THE UNITED STATES: ITS GROWTH AND DEVELOPMENT; ITS FUTURE AS A WORLD POWER; AND ITS RELATIONSHIPS WITH CANADA

GRADE B5

THE UNITED STATES: ITS BEGINNINGS
- The Origin of the United States
- Significant People and Events in Settlement
- Events Leading to the Establishment of a New Nation
- Independence—A New Nation

DEVELOPMENT AND GROWTH OF THE UNITED STATES: EXPANSION TO THE MISSISSIPPI
- Significant People and Events in Exploration and Settlement
- Growth of the Nation

COMBINATION GRADE B5-A5

THE UNITED STATES: ITS BEGINNINGS, ITS DEVELOPMENT, AND ITS GROWTH
- The Origins and Settlement of the United States
- Events in Establishing a New Independent Nation
- Expansion to the Mississippi

EXPANSION WESTWARD FROM THE MISSISSIPPI
- Territorial Gains and Explorations
- Establishing New Homes

THE UNITED STATES AND ITS FUTURE
- Natural and Human Resources
- Interrelationships Within the Nation
- Problems of Current Affairs
- Interdependence Among Nations

SOCIAL STUDIES

THEME: THE UNITED STATES: ITS GROWTH AND DEVELOPMENT; ITS FUTURE AS A WORLD POWER; AND ITS RELATIONSHIPS WITH CANADA

GRADE A5

DEVELOPMENT AND GROWTH OF THE UNITED STATES: EXPANSION BEYOND THE MISSISSIPPI

- Territorial Gains and Explorations
- Establishment of New Homes

POLITICAL AND ECONOMIC CHANGES

- Political, Economic, and Social Development
- A Nation Divided—The Civil War
- Settlement of the West
- Modern Frontiers
- Recent Expansion of the Nation

THE UNITED STATES AND ITS FUTURE

- Natural and Human Resources
- Interrelationships Within the Nation
- Problems of Current Affairs
- Interdependence Among Nations

INTERRELATIONSHIPS OF THE UNITED STATES AND CANADA

- Significant People and Events in the Exploration and Settlement of Canada
- Geography of Canada
- Similarities and Interrelationships of the United States and Canada

COMBINATION GRADE A5-B6

THE UNITED STATES: CHANGING AND GROWING TO THE PRESENT DAY

- Political, Economic, and Social Changes
- A Nation Divided—The Civil War
- Settlement of the West
- Modern Frontiers
- Recent Expansion of the Nation

INTERRELATIONSHIPS AMONG COUNTRIES OF THE AMERICAS

- Early Explorers and Colonizers of Latin America
- Struggle for Independence
- Improving Relationships

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Compares various map projections with corresponding areas on globes; notes distortions
- Is introduced to the analemma
- Understands the meaning of and uses the terms low, middle, and high latitudes
- Locates places on maps and globes in relation to distance from the equator
- Increases understanding of linear and aerial mileage scales
- Compares map legends on several different maps and generalizes about standardized symbols
- Grows increasingly skillful in interpreting many kinds of maps

ECONOMIC GEOGRAPHY

- Recognizes that cooperation among early settlers was essential to growth and progress
- Observes that regions are settled as man continually seeks the resources necessary for greater production
- Understands that government services are for all the people and are financed through taxation of all the people
- Learns about the greatness of the United States and its form of government
- Understands that the economic growth of the United States has been accompanied by an increase in the need for economic cooperation among the people

PHYSICAL GEOGRAPHY

- Learns about the geographic knowledge possessed by the early explorers
- Recognizes how the physical features of the United States influenced its development
- Studies the factors of climate as related to the development and growth of our nation
- Relates the growth of transportation and communication to the development of our country
- Discovers how the peoples of the United States and Canada have utilized their resources to develop industries, increase trade, and improve their ways of living
- Observes the locales and growth patterns of urbanization
- Appreciates the nature of an industrialized economy
- Recognizes the similarities and differences in the topography, climate, and natural resources of the United States and Canada

CULTURAL GEOGRAPHY

- Studies the ways in which people have learned to modify their environment and to adapt themselves to different ways of working and living during the growth of our nation
- Learns about the ways in which people in the United States and Canada meet needs today
- Recognizes how improvement and change affect the thinking and interrelationships of people
- Understands how the geographic factors of our country have affected the ways in which people lived and worked
- Studies the ways in which scientific and technological progress affect the people of the United States and Canada
- Observes the political, economic, and social changes taking place in our country today

SOCIAL STUDIES

HISTORY

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Learns about the nature of life in the countries from which explorers and settlers came
- Learns about the contributions of significant leaders in the discovery, exploration, settlement, and expansion of the United States and Canada
- Appreciates the reasons for the movements of people to new lands
- Understands the chronology of the history of the United States
- Recognizes the contributions made by people of many races and cultures to the present-day United States and Canada
- Observes the sources of conflict and the role of compromise during the growth of the nation
- Appreciates the heritage and democratic way of life in the two countries
- Becomes aware of some of the significant documents of the nations' development
- Recognizes places of historic significance

CURRENT AFFAIRS

- Becomes aware of current happenings in the United States, Canada, and the world
- Presents reports of current events in accordance with established standards
- Recognizes the need for the interdependence of the nations of the world
- Learns about the role of the United States in helping to establish world peace and order
- Appreciates the rapid, recent, and continuing development of our nation
- Relates important happenings in our country to those in Canada and the world

CIVICS

RESPECT FOR AMERICAN IDEALS

- Knows, understands, and gives correctly the Pledge to the Flag
- Learns the background of and demonstrates respect for our country's flag
- Learns the history of the National Anthem and sings all of its verses
- Develops increased understanding of significant documents as previously taught, such as the American's Creed
- Learns about the background and meaning and is able to repeat
  - —Second paragraph of the Declaration of Independence
  - —Preamble to the Constitution of the United States
  - —Gettysburg Address
- Appreciates the American ideals expressed in the flag, the National Anthem, and significant documents

GOVERNMENT

- Becomes aware of the relationships between local, state, and federal governments
- Recognizes the balance of government as provided for by the Constitution of the United States: Executive, Legislative, and Judicial Branches
- Knows the names of the President and Vice-President of the United States
- Learns about the Great Seal of the United States
- Learns about and locates the capital of the United States
- Compares the governments of the United States and Canada

RESPONSIBILITIES OF CITIZENS

- Maintains respect for the experience and authority of parents, teachers, school staff members, and law enforcement officers
- Becomes aware of national elections and understands their significance
- Understands and appreciates the greatness of the United States and its form of government
- Becomes aware of the need to make proper use of natural resources
- Recognizes the interdependence of peoples and appreciates the values of human relationships
- Appreciates the rights and privileges guaranteed to the people by the Constitution of the United States

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to learn facts, form opinions, and draw conclusions
- Listens responsively to music, literature, and poetry

Conversing, Discussing, Reporting
- Converses during informal activities
- Plans ways of talking on telephone
- Participates in planning group experiences and in evaluating committee work and projects
- Makes individual reports in own words
- Participates in group reports

Creative Activities
- Interprets real and vicarious experiences through dramatic activities
- Tells original stories and familiar tales
- Participates in choral speaking

Social Courtesies
- Makes introductions of visitors
- Makes explanations and announcements

ORAL ENGLISH SKILLS

Listening
- Listens for a specified purpose
- Listens to evaluate content for ideas and manner of presentation

Speaking
- Pronounces, enunciates, and articulates words clearly
- Maintains proper control of voice

Sentences
- Develops interesting sentences

Organizing
- Prepares materials for effective presentation
- Summarizes information

Vocabulary Usage
- Selects words with desired meanings
- Uses nouns correctly: singular, plural, and possessive forms
- Checks agreement of nouns and verbs

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes individual reports and summaries
- Participates in writing class notebooks and summaries

Letter Writing
- Writes letters for social needs
- Writes business letters
- Uses accepted forms for letter writing, addressing envelopes, and addressing post cards

Creative Writing
- Writes stories, plays, poetry, and descriptions of thoughts with originality and imagination
- Reacts to art, music, and poetry

Recording
- Records facts, notes, and minutes of meetings

Reference Activities
- Locates information in appropriate sources

WRITTEN ENGLISH SKILLS

Sentences and Paragraphs
- Understands how compound sentences are constructed
- Uses related sentences in logical sequence

Capital Letters and Punctuation
- Capitalizes the first words of quotation within a sentence
- Recognizes the need to use punctuation correctly

Alphabetizing and Dictionary
- Uses alphabet to locate information in reference sources
- Uses simple diacritical marks

Organizing
- Outlines, using two or three main headings with two subheadings

Parts of Speech
- Uses parts of speech correctly and understands them

ENGLISH

SPELLING

WORD STUDY

Configuration Clues

- Develops a clear image of the written or printed word

Phonetic Analysis

- Hears the correct sound of the word
- Analyzes spelling words in terms of sound units
- Uses diacritical marks in dictionary, glossary, or spelling textbook as a means of checking sound units
- Recognizes silent letters

Structural Analysis

- Divides words into syllables as pronouncing units
- Recognizes parts of words: root words, prefixes, and suffixes
- Recognizes inflectional forms and understands these forms

Dictionary

- Increases in ability to use dictionary effectively: syllabication, exact meaning, and accented and unaccented syllables

Capitalization and Punctuation

- Notes capitalization of words other than proper names when they stand for proper names
- Uses periods, apostrophes, and hyphens correctly in spelling

HABITS OF STUDY

- Learns a method of study that will improve skill in spelling
- Develops individual responsibility for studying and correcting words misspelled
- Has misspelled words spelled correctly and entered in wordbook for future use
- Develops habit of using dictionary and other sources to check spelling, meaning of word, and syllabication
- Checks written work for errors

WRITTEN ENGLISH EXPERIENCES

- Using spelling words in varied and meaningful written language experiences

HANDWRITING

HANDWRITING SKILLS

- Continues use of manuscript handwriting for appropriate writing needs
- Develops skill in using cursive handwriting
    - Correct letter forms and size
    - Uniform slant of letters
    - Proper placement of letters and words on the line
    - Even spacings between letters, words, and sentences
    - Uniform quality of strokes
    - Correct endings of letters, such as final upward stroke
- Observes correct margins

HANDWRITING MATERIALS

- Uses materials planned for Grade Five or appropriate for particular activities
- Learns to use a pen
- Uses pen to recopy only written work of permanent value

HABITS OF STUDY

- Assumes correct posture for handwriting
- Places writing materials in correct position
- Develops appreciation of need for legible handwriting
- Grows in ability to evaluate own handwriting
- Improves handwriting through individual practice
- Records individual progress and compares examples of written work over a period of time
- Recognizes activities appropriate for use of manuscript handwriting

HANDWRITING EXPERIENCES

- Develops further use of manuscript handwriting in appropriate activities
- Develops increased skill in use of cursive handwriting in appropriate activities

READING

COMPREHENSION SKILLS

- Reads critically to evaluate information
- Infers mood of story
- Appreciates language creating imagery
- Paraphrases main ideas
- Evaluates ideas in terms of relevance and validity

WORD PERCEPTION SKILLS

Contextual clues

- Makes increased use of detail in pictures

Phonetic analysis

- Learns sound values of such units as *gn, mb, bt,* and *sch*
- Learns to recognize and pronounce muted vowels
- Recognizes effect of shifting accent on meaning

Structural analysis

- Uses hyphen to divide compounds at end of line
- Recognizes primary and secondary accents
- Uses apostrophe in idiomatic language

VOCABULARY DEVELOPMENT

- Appreciates contribution of vivid words
- Increases ability to interpret and use words creating imagery, figures of speech, words with subtle meanings, most appropriate of multiple meanings

REFERENCE SKILLS

- Uses standard reference sources
- Uses standard bibliographical references
- Uses appendix in dictionary and topical guides

ORGANIZATIONAL SKILLS

- Uses indices of varying difficulty
- Finds similarities and contrasts between stories

INFORMATIONAL AND RECREATIONAL READING

- Uses specialized dictionary, atlases, etc.
- Reads aloud for pleasure of others
- Appreciates and interprets figurative language
- Broadens range of materials read

SCIENCE

LIVING THINGS

Animal and Plant Diversity

- Investigates how living things are grouped
- Learns that there are differences and similarities wthin and between groups

Growth and Development

- Observes that living things adapt to environmental changes
- Investigates growth patterns of living things

Structures and Functions

- Understands that all living things are made up of cells and use oxygen
- Learns about the functions of the circulatory, digestive, and skeletal systems

Interrelationships of Plants and Animals

- Understands that plant and animal communities undergo continual change
- Performs experiments to learn causes and effects of soil erosion.
- Learns how man improves plants and animals

MATTER AND ENERGY

Nature of Matter and Energy

- Learns that matter occupies space and has weight
- Understands the basic composition of matter
- Learns that energy may be potential or kinetic

Physical and Chemical Change

- Discovers that the state of matter can change
- Learns how molecules of different substances can be combined or separated

Mechanical Energy

- Learns how sources of energy provide force to run machines
- Learns that friction is resistance to motion

Electrical and Magnetic Energy

- Understands that electrical energy is the energy of electrons in motion
- Investigates how magnets generate electricity
- Understands that static electricity is an electric charge that does not produce a flow of electricity

Light and Heat Energy

- Investigates how light and heat energy are converted into other energy forms
- Discovers that light may be transmitted, reflected, or absorbed
- Investigates opaque, translucent, and transparent materials
- Understands how light travels
- Discovers that the shape of a lens can alter the apparent image of an object
- Investigates how materials may be heated
- Discovers how food is made with the sun's energy

EARTH

Structure and Changes

- Understands how forces of the earth interact
- Investigates characteristics of the earth's surface and composition
- Recognizes that natural forces change the earth's surface
- Investigates the composition of soil and rock
- Understands that some natural resources were formed from ancient plant and animal life

Atmosphere and Weather

- Understands that weather is the condition of the atmosphere at a given time and place
- Learns how air masses cause weather changes
- Experiments with uses of weather instruments
- Learns about the atmosphere's characteristics and how land and water masses affect air currents
- Understands how the earth's rotation causes a shift in the direction of the wind

Seasons and Climate

- Learns that climate is a weather pattern characteristic of a particular area
- Investigates the causes of seasons
- Understands the factors that determine climate

Oceanography

- Understands that oceanography is a study of the oceans and their contents
- Discovers that many varieties of plants and animals live in the oceans
- Investigates how man is using the resources of the oceans

THE UNIVERSE

Earth-Moon-Sun Relationships

- Learns that the moon rotates through different phases
- Investigates solar and lunar eclipses
- Understands the relationship of gravity to mass
- Learns about instruments used in space study
- Understands how time is measured by the earth's rotation

Inter-Stellar Space

- Learns that there is order in the universe
- Recognizes constellations as groups of stars
- Learns how the sun and stars aid in navigation
- Learns how man is developing ways to study space

MATHEMATICS

Grade B5

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Understands whole numbers through millions
    - Reads numerals grouped in periods
    - Understands positional and non-positional numeration systems
    - Rounds numbers "up" and "down"
    - Begins to understand prime numbers
- Gains increased skills with rational numbers
    - Uses fractional parts of sets
    - Continues to find equivalent fractions
    - Understands improper and mixed fractions
- Continues to read and write Roman numerals
- Uses the vocabulary and ideas of sets

FUNDAMENTAL OPERATIONS

Addition

- Understands commutative and associative laws
- Does column addition with six addends
    - Regroups at all place values
- Adds fractional numbers with like denominators
    - Expresses addition in mathematical sentences
    - Uses number line
    - Uses vertical notation with rational numbers
- Develops skill in estimating sums
- Continues to use vocabulary for addition, such as sum, addends

Subtraction

- Strengthens understanding of subtraction
    - Uses number line
    - Regroups to clarify process
- Continues to subtract whole numbers
- Continues to subtract dollars and cents
- Develops further subtraction with rational numbers
    - Subtracts like and mixed fractions
    - Regroups to clarify process
    - Reads and writes problems in vertical form
- Continues to use vocabulary for subtraction, such as difference, minuend, missing addend

Multiplication

- Applies mathematical principles to problems
- Multiplies three-digit numerals by two-digit multipliers with and without regrouping
- Uses expanded notation to clarify process
- Understands zero in multiplication
- Refines methods to estimate products
- Continues to multiply dollars and cents
- Continues to use vocabulary of multiplication, such as product, factor

Division

- Uses distributive principle in division
- Begins to understand division as a measurement
- Extends understanding of remainders
- Rounds divisor and dividend to estimate quotient figures
- Divides with two-digit divisors
- Checks answers to division problems
- Continues to divide dollars and cents
- Computes averages
- Works with denominate numbers
- Continues to use vocabulary of division, such as missing factor, quotient, dividend, divisor

MEASUREMENT

- Uses units of measure including metric units
    - Calendar and time: Uses units for problems
    - Linear measure: Uses units with problems
    - Weight: Understands and uses weight units
    - Liquid measure: Learns about liter
    - Dry measure: Works with pecks and bushels
    - Money: Computes with money values
    - Quantity: Uses dozens and parts of dozens
    - Graphs, charts, maps: Interprets graphs and time lines

GEOMETRY

- Understands points, lines, angles
- Identifies and understands plane figures
- Uses geometric understandings in charts, maps, and graphs

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Summarizes problems into sentence form
- Works with one-step and two-step problems
- Uses inequalities to estimate answers
- Uses fractional numbers to solve problems
- Identifies correct measurement units during problem solving
- Solves a problem in many ways
- Determines averages with understanding

MATHEMATICS

Grade A5

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Understands use of whole numbers
  - Rounds off numbers for skill in computation
  - Determines prime factors
  - Understands common and greatest common factors
- Develops further understanding of the rational number system
  - Works with decimals through hundredths and thousandths
  - Changes decimals to fractions and fractions to decimals
  - Understands pattern for series of equivalent fractions
  - Understands use of and way to express ratios as fractions
- Reads and writes Roman numerals through D
- Works with base five numeration
- Continues to use set vocabulary

FUNDAMENTAL OPERATIONS

Addition

- Refines addition with whole numbers
- Develops addition of fractional numbers with unlike denominators
- Begins to add decimal fractions through thousandth's place with regrouping (carrying)
  - Emphasizes place value of decimal fractions
- Begins to add denominate numbers
- Continues to use the vocabulary of addition

Subtraction

- Refines the process of subtraction
- Subtracts with five-digit numerals
- Develops further work with unlike denominators
- Begins to subtract decimals through the thousandth's place
- Begins to subtract denominate numbers
- Continues to use the vocabulary of subtraction

Multiplication

- Emphasizes mathematical principles of process
- Multiplies four-digit numerals by two-digit multipliers
- Begins to multiply by multiples of a hundred
- Develops skills in estimation of products
- Begins to multiply denominate numbers
- Continues to use the vocabulary of multiplication

Division

- Understands mathematical principles of process
- Refines skill in dividing whole numbers
  - Uses "short division"
  - Understands when remainder is expressed as a fractional number
- Divides to find money values
- Divides denominate numbers
- Continues to use the vocabulary of division

MEASUREMENT

- Uses standard, non-standard, and metric units
  - Calendar and Time: Understands time zones, century
  - Temperature: Reads clinical thermometers
  - Linear measure: Understands meaning of standard units of measure
  - Area: Understands square units of measure
  - Liquid measure: Understands standard units
  - Dry measure: Understands dry quart and pint
  - Arc of circle: Learns arc degree
  - Money: Expresses values as decimal fractions
  - Graphs, charts, maps: Constructs bar graphs, time lines, line graphs
- Adds, subtracts, multiplies, and divides units of measure

GEOMETRY

- Discovers properties of points, lines, and angles and use of notation for them
- Extends knowledge of plane and solid figures

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Uses different sentences for same problem
- Uses all four operations with whole numbers, fractions, and decimals to solve problems
- Reads graphs, maps, and charts to find answers
- Finds areas and perimeters
- Uses ratio to solve problems

MUSIC

LISTENING ACTIVITIES

- Grows in appreciation and understanding of music as an expressive art
- Becomes increasingly familiar with the titles, composers, general character, and musical content of a variety of music of contemporary and earlier periods
- Grows in ability to recognize and remember increasingly specific details in music that is heard

SINGING ACTIVITIES

- Grows in ability to sing expressively, accurately, and with beauty of tone
- Becomes familiar with a variety of songs, including folk and art songs of the United States and other countries
- Develops the ability to participate with success in two-part singing

RHYTHMIC ACTIVITIES

- Responds to the rhythmic elements in music with greater refinement of bodily movement and increasing appropriateness

INSTRUMENTAL ACTIVITIES

- Plays tonal and rhythm instruments with increasing understanding and skill
- Becomes more familiar with orchestral instruments by sound and by sight
- Uses orchestral instruments to reinforce parts and to accompany singing

MUSIC READING ACTIVITIES

- Understands and uses with increasing skill the symbols of musical notation
- Learns to follow the notation of two parts on one staff or on two staves
- Becomes familiar with the sound and sight of such intervals as thirds and sixths

CREATIVE ACTIVITIES

- Develops original introductions, accompaniments, codas, and descants of increasing musical quality
- Has a sense of creativeness in all musical activities
- Creates original melodies

ART

OVERVIEW

- Pupils in Grade Five need to have challenging motivation for art experiences. Activities should be planned in sequence to assure opportunities for growth. Lessons to develop skills should be conducted when needed.

MATERIALS

- Uses a variety of art materials
    - Water colors
    - Colored chalk
    - Charcoal
    - Clay
    - Nature materials
    - Vermiculite, plaster of Paris
    - Printing materials
    - Other materials, such as wood, wire, yarn, string, reeds, and cloth
    - Tempera paint
    - Crayons
    - Paper
    - Starch

EXPERIENCES

- Expresses ideas in a variety of materials
- Manipulates and experiments with new media
- Expresses and interprets ideas based on increased understandings
- Grows in understanding and use of specific elements: line, form, color, texture, value; increases knowledge of specific principles: dominance and subordination, proportion, balance, opposition, transition, rhythm, repetition
- Increases skills in the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Learns about artists and their work
- Learns about the arts and cultures of other countries
- Learns about American artists and their work

APPRECIATIONS

- Shows an interest and enjoyment of art qualities in nature and man-made objects
- Exercises judgment in selecting and using visual materials
- Enjoys and respects the art expressions of other pupils as well as of adult artists
- Understands and appreciates art of the past as well as that of his own time

PRACTICAL ARTS

TOOLS AND MATERIALS

- Increases his ability to use tools and materials safely
- Appreciates the use and value of tools and materials

STANDARDS OF WORK

- Uses good practices of working and sharing tools and materials with other pupils
- Develops a sense of pride in personal accomplishment through the planning and completion of individual projects

EXPERIENCES

- Makes applications of other learnings to practical arts activities
- Becomes aware of the value of utility and design

UNDERSTANDINGS

- Develops an understanding of why people should perform work for which they are especially suited

SPANISH

LEARNING ACTIVITIES

- Learns Spanish phrases pertaining to
  - Telling time
  - Numbers, twenty to one hundred
  - Months
  - Dates
  - Weather
  - Seasons of the year
  - Parts of the body and appropriate descriptive words
- Asks and answers questions about areas of the United States where Spanish is spoken
- Asks and answers questions about dates of important holidays, birthdays
- Prepares and reports personal data:
  - Name
  - Address
  - Age
  - Number of sisters and brothers
  - Occupations of parents
- Uses illustrations of various seasons and weather to convey meanings
- Learns to sing related songs

HEALTH

CLEANLINESS AND GROOMING
- Wears appropriate clothing and shoes

POSTURE
- Learns about body framework
- Learns effect of fatigue on posture
- Recognizes relationship between posture and appearance

DENTAL HEALTH
- Studies kinds, functions, and structure of teeth
- Studies causes of decay

CARE OF EYES, EARS, AND NOSE
- Studies care and functions of eyes, ears, and nose
- Views television programs correctly

REST AND SLEEP
- Recognizes signs of fatigue
- Establishes standards for sleep

FOODS AND NUTRITION
- Studies nutrients for adequate diet
- Studies relationship of carbohydrates to body weight
- Learns about digestion
- Contributes to happy mealtimes

PREVENTION AND CONTROL OF DISEASE
- Learns importance of rest, food, cleanliness, immunization, and examinations
- Studies causes of diseases
- Is cautious about use of medicines

EMOTIONAL AND SOCIAL HEALTH
- Respects self and others
- Builds acceptable behavior patterns
- Learns importance of facing reality
- Evaluates peer group relationships
- Develops social skills
- Accepts leadership responsibilities
- Assumes responsibility for classroom rapport
- Develops a sense of values
- Studies effects of rest and diet on behavior

GROWTH AND DEVELOPMENT
- Learns about body systems: circulation, respiration, elimination
- Studies harmful effects of tobacco

COMMUNITY HEALTH
- Cooperates with school health club
- Studies national health problems
- Learns about leaders in health improvements

PHYSICAL EDUCATION

NOON AND RECESS UNIT
- Skills: Related to games for recreational periods
- Major Game: Kickball

PHYSICAL FITNESS UNIT
- Skills: Planned to meet fitness needs
- Major Activities: Apparatus activities, rope jumping, conditioning exercises, stunts

SOCCER UNIT
- Skills: To kick, trap, block, dribble
- Major Game: Soccer

BASKETBALL UNIT
- Skills: To catch, pass, shoot, dribble, pivot
- Major Game: Basketball

MULTIPLE COURT GAMES
- Skills: Pertaining to games on this court
- Major Game: Bat Ball

TRACK UNIT
- Skills: To run, throw, jump, kick, start a race
- Major Activities: Track Meet, Relay Playday

SOFTBALL UNIT
- Skills: To throw, pitch, catch, bat a softball
- Major Game: Softball

VOLLEYBALL UNIT
- Skills: Underhand serve, volleyball return
- Major Game: Netball

HANDBALL UNIT
- Skills: To serve, return, using a handball court wall
- Major Game: Rotation Handball

FOOTBALL UNIT
- Skills: To pass, catch, kick an oval ball
- Major Game: Pass Touch Football

PADDLE TENNIS UNIT
- Skills: To serve, return
- Major Game: Paddle Tennis

INCLEMENT WEATHER ACTIVITIES
- Active and quiet games for indoor use

RHYTHMS
- Experiences: Fundamental, interpretive, and dramatic rhythms; folk and contemporary dances
- Basic and supplementary dances

GRADE FIVE

SAFETY

AS A PEDESTRIAN

- Cooperates with law enforcement officers

TO AND FROM SCHOOL

- Refrains from teasing and fighting

ON THE PLAYGROUND

- Cooperates with and takes advice from teachers and safety club members

IN BUILDINGS AND CLASSROOMS

- Transports equipment properly
- Recognizes the seriousness of drills
- Develops a code for individual conduct during emergency drills
- Learns additional techniques for the prevention of fires

DURING EMERGENCY DRILLS

- Recognizes importance of drills
- Develops a code for individual conduct during drills

IN FIRE PREVENTION

- Stresses techniques in fire prevention

AT HOME

- Learns how and where to locate emergency telephone numbers
- Cooperates with authorities
- Knows basic rules of safety in the handling of firearms

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT

- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS

- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with other pupils
- Listens and responds promptly and willingly
- Performs everyday tasks punctually

CITIZENSHIP

- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults

GRADE SIX

SOCIAL STUDIES

THEME: STUDY OF LIFE IN LATIN AMERICA AND AN OVERVIEW OF GLOBAL GEOGRAPHY

GRADE B6

SELECTED LATIN AMERICAN COUNTRIES
- Mexico
- Brazil
- Chile
- Argentina
- Venezuela
- Others

INTERRELATIONSHIPS AMONG COUNTRIES OF THE AMERICAS
- Early Explorers and Colonizers of Latin America
- Struggle for Independence
- Improving Relationships

COMBINATION GRADE B6-A6

INTERRELATIONSHIPS AMONG COUNTRIES OF THE AMERICAS
- Early Explorers and Colonizers of Latin America
- Struggle for Independence
- Improving Relationships

GLOBAL GEOGRAPHY
- Overview of Physical and Cultural Geography
- The World's Food Supply
- The World's Resources

GRADE A6

GLOBAL GEOGRAPHY

- Overview of Physical and Cultural Geography
- The World's Food Supply
  - Adequate supplies of food
  - How food-raisers help supply food
  - How food reaches the consumer
  - Problems of the food suppliers
  - Possible solutions of problems
- The World's Resources
  - Man's use of resources
  - Development of world's resources
  - Possible solutions of problems
  - Waste, conservation, and future reserves

GRADE A6 (continued)

GLOBAL GEOGRAPHY

- The World's Economic Relationships
  - Reasons for international trade
  - Formation of satisfactory economic trade relationships
  - Problems in forming economic relationships
  - Possible solutions to economic problems
- The World's Political Relationships
  - (Enrichment Area of Study)
  - Ways in which governments are established
  - Effects of physical geography on governments
  - Ways in which people can support their governments
  - Establishing political relationships with other countries
  - Problems in forming political relationships
  - Possible solutions of problems

GEOGRAPHY AND RELATED AREAS

MAP AND GLOBE SKILLS

- Learns about some problems of cartography in projecting the globe to a plane; cylindrical, conical, and equal-area projections
- Increases understanding of latitude and longtitude
- Understands the relationship between meridians and time
- Understands the division of the globe into 360°
- Understands that distances can be measured by using fractional parts of a scale unit of measurement
- Uses the map legend to interpret special uses of color
- Compares maps and text descriptions to draw inferences

ECONOMIC GEOGRAPHY

- Learns that geographic resources influence the occupations in which man will engage
- Recognizes that economic activities depend in part upon the ability and opportunity of a nation to engage in foreign trade
- Becomes aware of the large investments made by the United States in foreign industrial enterprises
- Becomes aware of the significance of national elections in formulating public policy
- Learns that interrelationships between nations are becoming increasingly important
- Begins to understand how economic and political development now cause people to think in new terms: regions of the world, communities of nations, and international cooperation

PHYSICAL GEOGRAPHY

- Learns about the earth's place in the universe
- Studies the landforms and water features of the world
- Understands the various climatic factors and climate areas of the world
- Develops skill in the use of the tools of the geographer
- Compares the physical geography of the United States to that of other areas of the world
- Learns how the peoples of the world have utilized their natural resources to develop industry, increase trade, and improve their ways of living
- Relates the growth of transportation and communication to the growth of countries

CULTURAL GEOGRAPHY

- Studies the ways in which people in the Western Hemisphere and other parts of the world have learned to adapt themselves to different ways of living and working to modify their environments
- Learns how people of primitive cultures and early civilizations adjusted to their environments
- Learns about the ways in which people of the world work and live in densely populated and urban areas as well as in sparsely populated and rural areas
- Understands the relationship of physical features, climatic conditions, and resources to the ways in which peoples of the world satisfy their needs and desires
- Acquires a basic understanding of some of the problems resulting from the rising expectations of peoples in the Western Hemisphere and other parts of the world
- Learns about the effects of scientific discovery and technological progress upon the ways in which peoples live and work

SOCIAL STUDIES

HISTORY

SIGNIFICANT PEOPLE, PLACES, AND EVENTS

- Learns about some of the leaders who were instrumental in the development of the Western Hemisphere; some of the explorers and colonizers of the Latin American countries; some of the other great men who were leaders in their countries
- Compares the history of the United States to that of other countries in the Western Hemisphere and other parts of the world
- Learns about the similarities of the struggles for independence in the countries of the Western Hemisphere and compares them with those of the newly emerging nations of the world
- Develops increased understanding of days of historical significance
- Understands and appreciates the historical significance of sites of ancient civilization and of monuments built to commemorate historical events
- Becomes aware of the major patterns of world development and growth made possible by research, invention, and industry

CURRENT AFFAIRS

- Becomes aware of current happenings in the United States and in other countries of the world
- Presents reports of current events in accordance with established standards
- Appreciates the rapid, recent, and continuing development of the countries in the Western Hemisphere and other parts of the world
- Gains an appreciation of the contributions of present scientific, industrial, and cultural leaders
- Becomes acquainted with the work and accomplishments of cooperative agencies and groups

CIVICS

RESPECT FOR AMERICAN IDEALS

- Gives the Pledge to the Flag with increased understanding
- Demonstrates respect for the Flag and understands how to care for it
- Learns the background and meaning of the National Anthem
- Knows, with understanding, the
  - –Gettysburg Address
  - –Second paragraph of the Declaration of Independence
  - –Preamble to the Constitution of the United States
- Shows increased appreciation for American ideals as expressed in the Flag, the National Anthem, and significant documents
- Becomes aware of threats to our way of life

GOVERNMENT

- Shows increased understanding of the relationships between local, state, and federal governments
- Compares the governments of the United States and other countries of the Western Hemisphere with those of other nations in the world
- Becomes acquainted with some of the flags and insignia of various countries
- Becomes acquainted with the work of the United Nations

RESPONSIBILITIES OF CITIZENS

- Respects authority and obeys rules and laws at home, in school, and in the community
- Recognizes the interdependence of peoples and appreciates the values of human relationships
- Appreciates the need for the proper utilization of resources
- Develops an understanding of the meaning of democracy
- Appreciates the rights and privileges guaranteed to the people by the Constitution of the United States

ENGLISH

ORAL ENGLISH

ORAL ENGLISH EXPERIENCES

Listening
- Listens to interpret facts and form generalizations
- Develops sense of appreciation for beauty in words and sounds

Conversing, Discussing, Reporting
- Converses during informal activities and in planning activities
- Participates in planning group experiences
- Participates on committees, in panel discussions, and in school organizations
- Makes individual reports in own words
- Uses an outline for presentation

Creative Activities
- Satisfies aesthetic sense by reading good literature and poetry aloud
- Identifies self with characters in stories and dramatizations

Social Courtesies
- Makes introductions, explanations, and announcements

ORAL ENGLISH SKILLS

Listening
- Listens to interpret and evaluate content objectively

Speaking
- Speaks with ease and poise

Sentences
- Uses complex sentences

Organizing
- Organizes facts in sequential order
- Supports main ideas with subordinate ideas by using outline

Vocabulary Usage
- Uses exact descriptive words for desired meanings
- Uses correct verb forms
- Uses comparative and superlative forms of words correctly

WRITTEN ENGLISH

WRITTEN ENGLISH EXPERIENCES

Informational Writing
- Writes individual reports or contributes to group reports

Letter Writing
- Writes appropriate letters as needed
- Writes business letters
- Uses accepted forms for writing letters and addressing envelopes

Creative Writing
- Interprets experiences through vivid descriptions
- Develops ability to express mood and sensory feelings skillfully

Recording
- Records answers to questions and notes resulting from research or experiments

Reference Activities
- Writes simple bibliographies in correct bibliographical form

WRITTEN ENGLISH SKILLS

Sentences and Paragraphs
- Develops ability to write well-phrased topic and summarizing sentences
- Develops ability to write two or more related paragraphs
- Writes transitional sentences between paragraphs

Capital Letters and Punctuation
- Understands and uses capital letters correctly
- Uses quotation marks appropriately
- Learns to use semicolon and colon

Alphabetizing and Dictionary
- Learns and uses library skills
- Develops increased skill in use of dictionary

Organizing
- Outlines, using two or three main headings with two or three subheadings

Parts of Speech
- Understands and uses parts of speech

ENGLISH

SPELLING

WORD STUDY

Configuration Clues
- Develops a clear image of the written or printed word

Phonetic Analysis
- Hears the correct sound of the word
- Adapts sounds to the syllables of words
- Recognizes consonant blends, digraphs, and vowel sounds other than long or short

Structural Analysis
- Identifies parts of word which form meaning units or sound units
- Recognizes inflectional forms
- Builds derivations through use of comparative and superlative forms of words

Dictionary
- Increases in ability to use dictionary
  - Syllables with primary or secondary accents
  - Designations, such as noun, verb, adjective, or adverb

Capitalization
- Develops increased understanding of effects of capitalization on spelling

Punctuation
- Uses periods, apostrophes, and hyphens correctly

HABITS OF STUDY
- Develops an interest in correct spelling
- Develops techniques of study that will assure accurate spelling
- Develops individual responsibility for spelling achievement
- Maintains lists of words that need additional study
- Develops habit of using dictionary and other sources to check spelling, meaning of word, and syllabication
- Checks written work for errors

WRITTEN ENGLISH EXPERIENCES
- Uses spelling words in varied and meaningful written language experiences

HANDWRITING

HANDWRITING SKILLS
- Continues use of manuscript handwriting for appropriate writing needs
- Develops further skill in cursive handwriting
  - Correct letter forms and sizes
  - Uniform spacings and slant
  - Proper alignment
  - Correct margins

HANDWRITING MATERIALS
- Uses materials planned for Grade Six or appropriate for particular activities
- Continues skillful use of a pen

HABITS OF STUDY
- Develops habit of good posture in handwriting
- Becomes aware of the many uses of handwriting and the need for legibility
- Develops reasonable speed in writing
- Analyzes individual progress
- Improves handwriting through independent practice
- Records information about individual progress and compares examples of written work over a period of time

HANDWRITING EXPERIENCES
- Develops further use of manuscript handwriting in appropriate activities
- Develops increased skill in use of cursive handwriting for appropriate activities

COMPREHENSION SKILLS

- Forms value judgments and draws conclusions
- Recognizes cause and effect relationships
- Makes inferences from incomplete evidence and from implied statements
- Evaluates and interprets information from many sources
- Analyzes different forms of writing, such as sarcasm, humor

WORD PERCEPTION SKILLS

Phonetic Analysis

- Compares pronunciation keys in different dictionaries
- Relates various symbols used to represent *schwa* (ə)
- Relates position of accent to meaning

Structural Analysis

- Recognizes Latin and Greek roots
- Develops generalizations of meaning of *let* (little)
- Reviews suffixes denoting person as agent (*eer*, *ese*, *ist*, *an*, and *ian*)
- Develops ability to use less common prefixes and suffixes

VOCABULARY DEVELOPMENT

- Uses dictionary to trace derivations of words
- Recognizes Old English and Biblical words and expressions
- Increases understanding of parts of speech
- Develops understanding of foreign root words

REFERENCE SKILLS

- Uses library card files with skill
- Compares differences in information obtained from various sources

ORGANIZATIONAL SKILLS

- Alphabetizes beyond fourth letter
- Skims, summarizes, and takes notes skillfully

INFORMATIONAL AND RECREATIONAL READING

- Selects and analyzes appropriate references
- Distinguishes between information which is presented objectively and that which introduces shades of opinion
- Prepares and presents dramatizations in various forms
- Describes own experiences in colorful language

SCIENCE

LIVING THINGS

Animal and Plant Diversity

- Investigates how large groups are divided into smaller groups on the basis of structure and function
- Recognizes that changes occur continually among living and non-living things

Growth and Development

- Discovers that living things are related to their physical environment
- Understands how living things use energy in all their functions
- Learns about the process of photosynthesis
- Investigates how embryos grow and develop
- Understands how one-celled animals reproduce through cell division
- Discovers how plants reproduce

Structures and Functions

- Understands that cells are the units of structure and function of our body systems

Interrelationships of Plants and Animals

- Learns that all forms of life interact with each other
- Understands why living things help to maintain the balance in nature and why animal and plant life need to be protected
- Learns how plants and animals can be improved

MATTER AND ENERGY

Nature of Matter and Energy

- Learns that matter and energy may be changed in form but can be neither created nor destroyed
- Learns that all matter is electrical
- Understands that all substances are composed of elements
- Learns that elements are made of atoms which have fundamental particles or parts
- Understands that elements may combine to form new substances called compounds

Physical and Chemical Change

- Observes the nature of physical and chemical changes
- Discovers how living and non-living things change physically and chemically

Electrical and Magnetic Energy

- Learns about various theories of magnetism
- Discovers interrelationships between magnetism and electricity
- Investigates different kinds of electric currents and electric charges

Sound Energy

- Understands that sounds are the result of the rapid vibration of matter
- Learns how pitch will vary, depending upon the distance from the sounding body to the observer
- Understands how sound waves make the inner part of the ear vibrate

Solar Energy

- Understands the nature of solar energy
- Understands the way in which living things use the sun's energy

Nuclear Energy

- Understands that nuclear energy is the energy in the nuclei of atoms
- Learns that there are several atomic fuels

EARTH

Atmosphere and Weather

- Understands how varying pressure areas in the atmosphere cause weather changes
- Understands that weather conditions are part of a worldwide energy system

Seasons and Climate

- Understands the causes of seasons and climate
- Observes how living things are affected by seasonal changes

Oceanography

- Understands how the ocean is a source of energy and materials
- Learns how characteristics of the oceans can be identified and measured

THE UNIVERSE

Earth-Moon-Sun Relationships

- Learns that there are many theories about the earth's origin and the nature of the universe
- Understands that gravitational attraction between objects is related to mass and distance
- Learns how time and calendars are related to motions of the earth

Solar System

- Understands the Copernican theory
- Understands conditions necessary to support life
- Learns the relationships of our solar system to the Milky Way

Inter-Stellar Space

- Investigates the many ways in which scientists study and measure space
- Learns that there is a repeating pattern in the movements of celestial bodies
- Understands that galaxies are huge systems of stars

MATHEMATICS

GRADE B6

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Increases understanding of whole numbers
  - Begins to use exponents
- Increases knowledge of rational number system
  - Learns about and uses reciprocals
  - Rounds decimal fractions to place values
  - Uses sets, regions, and number lines to clarify rational numbers
  - Develops understanding and use of ratios
- Understands Roman numerals through M
- Understands and compares base six numeration system to decimal numeration system
- Begins to learn set notation for finite and infinite sets

FUNDAMENTAL OPERATIONS

Addition

- Refines and reviews the process of addition with whole numbers
- Adds fractional numbers
- Adds decimal fractions through thousandths
- Adds denominate numbers
- Increases skills in mental computation
- Continues to use the vocabulary of addition

Subtraction

- Analyzes and reviews subtraction concepts
- Subtracts whole numbers with five digits
- Subtracts fractions, mixed fractions, and decimals
- Subtracts denominate numbers
- Continues to use the vocabulary of subtraction

Multiplication

- Develops multiplication as a Cartesian product
- Multiplies three-digit multipliers
- Begins to multiply fractional numbers
- Continues to use the vocabulary of multiplication

Division

- Develops further mathematical principles related to division
  - Understands use of distributive principle
  - Analyzes and uses reciprocals
  - Uses identity element in division
  - Expresses division as a fraction
- Refines division with whole numbers
- Begins to divide fractional numbers
  - Uses division to get equivalent fractions
  - Understands reciprocals as used in division
  - Estimates quotients
  - Learns common denominator method
  - Develops division algorism with fractions
- Continues to divide denominate numbers
- Continues to use the vocabulary of division

MEASUREMENT

- Uses units of measurement correctly
  - Linear measure: Clarifies error of measurement
  - Weight: Learns about long and short ton
  - Area: Finds areas of geometric figures
  - Speed: Sees relationship to time and distance
  - Graphs, charts, maps, diagrams: Uses, reads, and constructs drawings to scale
- Adds, subtracts, multiplies, and divides units of measurement
- Uses ratios to solve measurement problems

GEOMETRY

- Understands points, lines, and angles
- Develops understanding of volume and of the properties of plane figures

APPLICATION OF MATHEMATICAL CONCEPTS

- Summarizes problems into number sentences
- Uses rational numbers to solve problems
- Rounds numbers to estimate answers
- Understands the use of ratio in problem solving

MATHEMATICS

GRADE A6

NUMBER SYSTEMS AND NUMERATION SYSTEMS

- Develops further understanding of whole numbers
    Reads and writes numerals to the billions
    Uses exponents
    Begins to understand composite numbers
- Develops further understandings of rational numbers
    Rounds off decimals and mixed decimals
    Understands per cent as it is related to rational numbers
- Begins to develop understandings of integers
    Uses number line to clarify positive and negative numbers
- Compares the decimal numeration system to other systems of numeration

FUNDAMENTAL OPERATIONS

Addition

- Continues to add whole numbers
- Continues to add fractional numbers
- Continues to add decimal fractions
- Continues to add denominate numbers
- Develops understanding of adding positive and negative numbers
    Uses number line to clarify process
- Develops skills in mental computation
- Continues to use the vocabulary of addition

Subtraction

- Reviews understanding of subtraction with whole numbers, fractions, decimals, and denominate numbers
- Introduces subtraction with integers
- Continues to use the vocabulary of subtraction

Multiplication

- Reinforces mathematical principles of multiplication
- Begins to multiply with multiples of a thousand
- Develops further multiplication of fractional numbers
- Multiplies with decimals and mixed decimals
- Uses knowledge of per cent in multiplication
- Multiplies with denominate numbers
- Estimates answers in multiplication
- Continues to use the vocabulary of multiplication

Division

- Understands mathematical principles of division
- Determines first quotient figure by rounding both divisor and dividend
- Divides fractional numbers
- Divides decimal fractions through thousandths
    Estimates answers before dividing
- Divides to express fraction in per cent
- Continues to use the vocabulary of division

MEASUREMENT

- Uses units of measure
    Linear measure: Finds perimeters of figures
    Area: Finds areas of solid figures
    Angle measure: Uses protractor
    Graphs, charts, maps, diagrams: Develops skills in reading and making graphs and drawings to scale
- Changes fractional units into decimal equivalents to solve measurement problems in all operations

GEOMETRY

- Develops understanding of points, lines, and angles
- Introduces measurement and notation of angles
- Develops understanding of parallel and perpendicular lines
- Develops further understandings of plane figures
    Relates angle properties of plane figures
    Understands central angles and arcs of circle
- Develops the properties of solid figures
    Learns about lateral faces of solid figures
    Finds lateral areas for prisms
    Begins to learn the properties of cone, cylinder, and pyramid
- Applies learnings to construct graphs, read maps, determine distances, and solve problems

APPLICATIONS OF MATHEMATICAL CONCEPTS

- Summarizes problems into mathematical sentences
- Estimates, computes, and checks problems with whole numbers, fractional numbers, and decimals
- Uses ratio and per cent for problem solving

MUSIC

LISTENING ACTIVITIES

- Finds growing emotional and intellectual satisfactions in listening with increasing sensitivity and discrimination to music in all forms
- Becomes increasingly responsive to the expressive meanings of music
- Grows in understanding of the ways in which this meaning is communicated in terms of melody, rhythm, harmony, tone quality, instrumentation, tempo, volume, and form
- Develops a growing interest in listening to music of intrinsic worth, both in and out of school

SINGING ACTIVITIES

- Sings with increasing expressiveness, accuracy, and beauty of tone a wide variety of folk and art songs of increasing difficulty; sings in unison in two or three parts

RHYTHMIC ACTIVITIES

- Responds to the rhythmic elements in music with increasing refinement of bodily movement and appropriateness

INSTRUMENTAL ACTIVITIES

- Uses such instruments as song bells, piano, and orchestral instruments to reinforce part-singing and to reflect and clarify the formal design of songs
- Develops a growing familiarity with orchestral instruments by sound and by sight

MUSIC READING ACTIVITIES

- Develops a growing ability to understand the relationship between tonal concepts and written symbols of musical notation, and to read them with increasing skill, accuracy, and speed

CREATIVE ACTIVITIES

- Develops original dramatizations of songs
- Develops original rhythmic activities growing out of ideas or phenomena in nature
- Exercises initiative in planning special musical activities for the class
  Creates original songs

ART

OVERVIEW

- Pupils at this level are ready and able to use many forms of art expressions. They should receive guidance in setting goals and evaluating growth and achievements. To prevent discouragement, they need continued recognition and approval of their creative work

MATERIALS

- Uses a variety of art materials
  Water colors
  Colored chalk
  Charcoal
  Clay
  Nature materials
  Tempera paint
  Crayons
  Pencils
  Paper
  Starch
  Vermiculite, plaster of Paris
  Printing materials
  Other materials, such as wood, wire, yarn, string, reeds, and cloth

EXPERIENCES

- Expresses ideas with a greater understanding of the characteristics of the materials used
- Manipulates and experiments with new media
- Expresses and interprets ideas based on increased understandings
- Grows in understanding and use of specific elements: line, form, color, texture, value; increases knowledge of specific principles: dominance and subordination, proportion, balance, opposition, transition, rhythm, repetition
- Increases skills in the use of art tools and materials
- Creates in two and three dimensions
- Learns basic art skills
- Takes part in planning, organizing, and caring for supplies and materials
- Uses art skills to contribute to his learning in other subject areas
- Learns about artists and their work
- Learns about the arts and cultures of other countries
- Learns about American artists and their work

APPRECIATIONS

- Shows an interest in and enjoyment of art qualities in nature and man-made objects
- Exercises judgement in selecting and using visual materials
- Grows in understanding and respect for the art expressions of other pupils as well as of adult artists

PRACTICAL ARTS

TOOLS AND MATERIALS

- Develops a reasonable degree of skill in the safe use of a variety of tools and materials
- Appreciates the use and value of tools and materials

STANDARDS OF WORK

- Uses good practices of working and sharing tools and materials with other pupils
- Develops a sense of pride in personal craftsmanship
- Evaluates personal interests, abilities, and limitations in relation to tool skills

EXPERIENCES

- Applies other learnings to practical arts activities

UNDERSTANDINGS

- Develops an understanding of relationships between individual skills and choice of vocation
- Develops an understanding of the job needs of agriculture and industry

SPANISH

LEARNING ACTIVITIES

- Learns Spanish phrases pertaining to
  - Rooms of a house
  - Furniture
  - Meals
  - Class roll call
- Uses phrases and pictures about
  - A trip to Mexico
  - A Mexican market
  - Cities of Mexico
  - The countries of Central America
  - The countries of South America
- Uses illustrations of rooms and furniture to convey and reinforce meanings
- Describes own house and rooms
- Uses illustrations of various foods to convey and reinforce meanings
- Provides and follows classroom directions, using "please"
- Plans and participates in discussion of Latin American countries
- Sings related songs

HEALTH

CLEANLINESS AND GROOMING
- Learns practical aids to grooming

POSTURE
- Learns personal and social values of posture
- Wears appropriate shoes

DENTAL HEALTH
- Assumes responsibility for care of teeth and gums
- Learns relationships between dental health and personality
- Studies causes of mouth infections
- Learns value of x-rays

CARE OF EYES, EARS, AND NOSE
- Builds standards for viewing and listening to audio-visual aids

REST AND SLEEP
- Learns ways to relax

FOODS AND NUTRITION
- Uses basic food groups to plan variety of balanced meals
- Selects nutritious refreshments
- Studies effects of emotions on digestion of foods
- Studies relationship between balanced diet and weight control

PREVENTION AND CONTROL OF DISEASE
- Studies causes, spread, and control of disease
- Is cautious about use of medicines

EMOTIONAL AND SOCIAL HEALTH
- Analyzes peer group relationships
- Recognizes individual talents and contributes services to school
- Maintains responsible behavior when alone
- Appraises habits of work, play, and daily living
- Develops worthwhile personal goals
- Learns about body's nervous system

GROWTH AND MATURATION
- Develops many wholesome boy-girl relationships
- Studies growth and body functions
- Studies harmful effects of tobacco, alcohol, and narcotics

COMMUNITY HEALTH
- Studies work of health agencies
- Studies health careers and problems that concern the United States

PHYSICAL EDUCATION

NOON AND RECESS UNIT
- Skills: Related to games for recreational periods
- Major Game: Hit-Pin Kickball

PHYSICAL FITNESS UNIT
- Skills: Planned to meet physical fitness needs
- Major Activities: Apparatus activities, rope jumping, conditioning exercises, stunts

SOCCER UNIT
- Skills: To kick, trap, block, dribble
- Major Game: Soccer

BASKETBALL UNIT
- Skills: To catch, pass, shoot, dribble, pivot
- Major Game: Basketball

MULTIPLE COURT GAMES
- Skills: Pertaining to games on this court
- Major Game: Bombardment

TRACK UNIT
- Skills: To run, throw, jump, kick, start a race
- Major Activities: Track Meet, Relay Playday

SOFTBALL UNIT
- Skills: To throw, pitch, catch, bat a softball
- Major Game: Softball

VOLLEYBALL UNIT
- Skills: Underhand serve, volleyball return
- Major Game: Volleyball

HANDBALL UNIT
- Skills: To serve, return, using a handball court wall
- Major Game: Handball

FOOTBALL UNIT
- Skills: To pass, catch, kick an oval ball
- Major Game: Pass Touch Football

PADDLE TENNIS UNIT
- Skills: To serve, return
- Major Game: Paddle Tennis

INCLEMENT WEATHER ACTIVITIES
- Active and quiet games for indoor use

RHYTHMS
- Experiences: Fundamental, interpretive, and dramatic rhythms; folk and contemporary dances
- Basic and supplementary dances

GRADE SIX

SAFETY

AS A PEDESTRIAN

- Understands obligation to correct hazards
- Notifies authorities of hazards

TO AND FROM SCHOOL

- Refrains from hazing
- Understands that the school has legal jurisdiction for pupil behavior

ON THE PLAYGROUND

- Sets proper example for younger children
- Evaluates safety practices
- Understands dangers of "showing off"

IN BUILDINGS AND CLASSROOMS

- Practices responsible behavior
- Exercises precautions in using school equipment
- Helps younger and handicapped children during emergency drills
- Demonstrates emotional stability during emergencies

DURING EMERGENCY DRILLS

- Helps younger and handicapped children
- Demonstrates emotional stability as messenger or monitor

IN FIRE PREVENTION

- Knows regulations concerning burning permits and areas closed because of fire and other hazards
- Takes safety precautions in using combustible fuels for models and toys
- Observes fireworks laws

AT HOME

- Guards against unsupervised and unsafe experimentation
- Learns and practices elementary principles of first aid
- Practices safety precautions in construction activities
- Knows requirements for burning permit
- Uses combustible fuels with caution
- Learns about basic local, state, and national firearm regulations

QUALITIES OF SCHOOL ADJUSTMENT

EFFORT

- Tries to do his best, according to his ability
- Listens and pays attention; follows directions
- Concentrates on the subject or the job at hand

WORK HABITS

- Takes pride in doing the best possible quality of work
- Begins to assume responsibility for individual improvement
- Is eager to work, anxious to please, and ready to help
- Maintains high standards of personal conduct
- Works well individually and with other pupils
- Listens and responds promptly and willingly
- Performs everyday tasks punctually

CITIZENSHIP

- Respects the experience and authority of parents, teachers, and law enforcement authorities
- Observes rules and regulations
- Accepts responsibility
- Respects the rights and the property of other pupils and of adults